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Census of Construction Industries

CC82-A-7

GEOGRAPHIC AREA SERIES

West South Central States

Arkansas, Louisiana, Oklahoma, Texas



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The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Bureau of the
Census (1955 to 1983), she continually
directed efforts to improve
the timeliness and accuracy of
economic statistics.

1982

Census of

Construction Industries

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South

Central

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Issued February 1985



U.S. Department of Commerce
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Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for
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John G. Keane, Director
C. L. Kincannon, Deputy Director

Charles A. Waite, Associate Director for
Economic Fields

John H. Berry, Assistant Director for
Economic and Agriculture Censuses

CONSTRUCTION DIVISION

Leonora M. Gross, Chief

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West South Central States

CONTENTS

	Page
Introduction	IV
Users' Guide for Locating Statistics in This Report by Table Number	X

STATES

Arkansas	ARK.-1
Louisiana	LA.-1
Oklahoma	OKLA.-1
Texas	TEX.-1

APPENDIXES

A. Explanation of Terms	A-1
B. Standard Industrial Classification Titles for Industry Groups and Industries	B-1
C. Geographic Divisions and States	C-1
D. Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas	D-1

Publication Program	Inside back cover
---------------------------	-------------------

INTRODUCTION

	Page
ECONOMIC CENSUSES OVER TIME	IV
USES OF THE ECONOMIC CENSUSES	IV
AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES	V
METHOD OF ACCOUNTING AND TIME COVERED	V
CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION	V
ESTABLISHMENT BASIS OF REPORTING	VI
SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES	VI
CENSUS REPORT FORMS	VIII
DATA PROCESSING	VIII
GEOGRAPHIC CLASSIFICATION	VIII
DUPLICATION IN RECEIPTS	VIII
SPECIAL TABULATIONS	IX
RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS	IX
COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA	IX
ABBREVIATIONS AND SYMBOLS	IX

ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from "selected services" to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications¹ (SIC's) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

METHOD OF ACCOUNTING AND TIME COVERED

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.¹ This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

Contract construction—The SIC manual defines construction in three broad types of activity: (1) building construction by general contractors, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

Construction on their own account, for sale—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

Subdividers and developers, except cemeteries—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction receipts to total business receipts was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.

Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities.

The structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

Employer Firms

Developing the sampling frame for employer firms—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each firm. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a firm to the proper economic census, but there were a number of firms for which this information was inadequate or unavailable. A special form, NC-9923, General Report, was mailed to all such firms, requesting information on the nature of the firm's activities. From the information reported, the firm was given an industrial classification code and assigned to the appropriate economic census. Since construction firms found in this way were identified as such, only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

Selecting the employer sample—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

Estimation procedures for 1982 and 1977 data—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum_{i=1}^{n_c} x_i}{n_c}$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

Reliability of employer statistics—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimates directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for

establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

Nonemployer Firms

General—As described earlier, the information derived from the business income tax returns of all firms was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with firms without payroll were treated as nonemployers. The nonemployer construction firms were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

Qualifications to the nonemployer data—Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters in Washington, D.C.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding) and imputation for missing items or for the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1982 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. Separate State codes were assigned based on this information.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected SCSA's and SMSA's.

DUPLICATION IN RECEIPTS

The aggregate of construction receipts reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction industries results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is

defined in the 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1982 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies), as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1982 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas, the construction census figures cover both new construction and

maintenance and repair work, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology. Their effect is not fully known.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- ‡ Possible duplication in data. (See Duplication in Receipts.)
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.

Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By industry	By employ- ment size	By receipts size	By type, class, ownership, kind of business, and location of construction ¹	By SCSA and SMSA ²
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment	5					
End of year—total	3, 5	3	7	8		
End of year—structures, machinery and equipment	5					
Depreciation charges during the year— structures, machinery and equipment	5					
Capital expenditures:						
Total capital expenditures	3, 5	3	7	8		12
New structures—machinery and equipment	5					
Used structures—machinery and equipment	5					
Communication services, payments for	4					
Employees:						
All employees—average number	1, 3	3	7	8		12
Construction workers—average number	3, 4, 10	3, 10				
Other employees—March	4					
Employer costs for fringe benefits—legally required and voluntary expenditures	4					
Establishments:						
Number in business at end of year	4					
Number in business during the year:						
All	1			2		
With payroll	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll	1			2		
Hours—construction workers:						
Total	3, 4, 10	3, 10	7	8		
Quarterly	4, 10	10				
Inventories	6					
Materials, components, supplies, and fuels— payments for	3, 4	3	7	8		12
Payroll:						
First quarter, all employees	4					
Annual:						
All employees	3, 4	3	7	8		12
Construction workers	3, 4	3				
Other employees	4					
Power, fuels, and lubricants—payments for	4					
Proprietors and working partners:						
All establishments	1			2		
Establishments with payroll	1, 4			2		
Establishments without payroll	1			2		
Ratios, industry	11	11				
Receipts:						
All business receipts:						
All establishments	1			2		
Establishments with payroll	1, 4		7	2, 8		
Establishments without payroll	1			2		
Construction receipts, total	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others	4					
Other business receipts and land receipts	4					
Net construction receipts	3, 4	3	7	8		12
Value added	3, 4	3	7	8		12
Rental payments:						
Total	3, 4	3	7	8		
For machinery and equipment	4					
For structures	4					
Repairs to structures and related facilities	4					
Repairs to machinery and equipment	4					
Storage capacity for fuels ³	4					
Subcontract work to others, payments for	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

¹Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

²SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

³Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.



FINAL REPORT
GEOGRAPHIC AREA SERIES

1982 Census of Construction Industries

CC82-A-1 to 10
Changed October 1986

CHANGE SHEET

This revision is to table 6 in the original publications for Geographic Area Series CC82-A-1 to 9 and table 9 for Geographic Area Series CC82-A-10. In the stub, change 1982 (line 8) to read 1981 and 1981 (line 12) to read 1982.



U.S. Department
of Commerce
BUREAU OF
THE CENSUS

1863

General



Arkansas

CONTENTS

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings	3

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1982 and 1977	4
2. Summary Statistics by Receipts Size Class: 1982 and 1977	5

Statistics for Establishments With Payroll

3. General Statistics by Industry: 1982 and 1977	6
4. Detailed Statistics: 1982 and Earlier Census Years	8
5. Assets, Capital Expenditures, and Depreciation: 1982 and Earlier Census Years	9
6. Value of Inventories: 1982 and 1981	9
7. Selected Statistics by Employment Size Class: 1982 and 1977	10
8. Selected Statistics by Receipts Size Class: 1982 and 1977	10
9. Construction Receipts by Type of Construction: 1982 and 1977	11
10. Quarterly Construction Worker Hours and Employment by Industry: 1982	12
11. Selected Industry Ratios in This State: 1982	14
12. Selected Statistics for Selected Standard Metropolitan Statistical Areas: 1982	15

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses and income. The second part of the document provides a detailed breakdown of the company's financial performance over the past year. It includes a comparison of actual results with budgeted figures and identifies areas where the company has exceeded expectations. The third part of the document outlines the company's financial goals for the upcoming year and discusses the strategies that will be implemented to achieve these goals. It also includes a discussion of the company's risk management practices and the steps that will be taken to mitigate potential risks. The final part of the document provides a summary of the key findings and conclusions of the financial review. It highlights the company's strengths and areas for improvement and provides recommendations for future action.

SUMMARY OF FINDINGS

During 1982, 17,021 establishments in Arkansas operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$2.1 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 13,157 establishments in this State with no payroll accounted for about 16 percent of all business receipts for all construction establishments in Arkansas. On the other hand, 3,864 establishments classified as "employers" accounted for 84 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.8 billion, of which \$1.7 billion were receipts for construction work. These establishments paid \$326 million for construction work subcontracted to others, leaving net construction receipts of about \$1.4 billion. Value added for these establishments amounted to \$867 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Arkansas paid \$551 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$46.1 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Arkansas was 28.6 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 9.5 million hours, while hours worked during the third quarter were 10.9 million hours.

Total payroll for 1982 was \$417 million. Payments of \$73.7 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Arkansas are based on a sample of about 1,500 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	17 021	14 518	28 577	2 144 038	13 157	13 128	341 015	3 864	1 390	28 577	1 803 023	2	2
15,16,17	Construction Industries ¹ -----	16 727	14 319	28 064	2 109 892	12 912	12 930	327 647	3 815	1 389	28 064	1 782 245	2	2
15	General building contractors and operative builders -----	2 469	1 752	7 083	751 020	1 541	1 481	78 075	928	271	7 083	672 945	3	3
16	Heavy construction, general contractors _	807	479	6 389	384 995	400	403	14 942	407	76	6 389	370 053	3	2
17	Special trade contractors -----	13 451	12 088	14 592	973 877	10 971	11 046	234 630	2 480	1 042	14 592	739 247	2	2
1711	Plumbing, heating, and air conditioning----	1 537	1 198	3 486	218 243	935	948	29 821	602	250	3 486	188 422	6	5
1731	Electrical work -----	927	731	2 261	128 583	606	607	20 520	321	124	2 261	108 063	7	6
6552	Subdividers and developers, n.e.c. ² -----	290	198	511	34 143	245	198	13 368	45	-	511	20 775	7	5
	1977													
	Construction industries and subdividers and developers-----	17 835	16 479	33 890	1 779 899	12 752	12 924	257 436	5 083	3 555	33 890	1 522 463	2	2
15,16,17	Construction Industries ¹ -----	17 638	16 295	33 384	1 715 741	12 586	12 741	243 342	5 052	3 554	33 384	1 472 399	2	2
15	General building contractors and operative builders -----	3 543	2 966	12 155	842 793	1 846	1 848	107 164	1 697	1 118	12 155	735 629	3	3
16	Heavy construction, general contractors _	692	513	5 829	235 170	284	306	8 098	408	207	5 829	227 072	4	2
17	Special trade contractors -----	13 403	12 816	15 400	637 778	10 456	10 587	128 080	2 947	2 229	15 400	509 698	3	2
1711	Plumbing, heating, and air conditioning----	1 297	1 063	3 704	180 761	697	712	12 599	600	351	3 704	168 162	5	5
1731	Electrical work -----	855	717	2 303	94 931	470	485	17 109	385	232	2 303	77 822	7	6
6552	Subdividers and developers, n.e.c. ² -----	202	184	(S)	64 158	166	183	14 094	36	1	(S)	(S)	-	-

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	17 021	14 518	28 577	2 144 038	13 157	13 128	341 015	3 864	1 390	28 577	1 803 023	2	2
\$10,000,000 or more -----	19	2	3 893	(D)	1	2	(D)	18	-	3 893	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	24	-	1 379	(D)	-	-	-	24	-	1 379	(D)	(W)	-
\$2,500,000 to \$4,999,999 -----	78	4	3 299	849 382	-	-	-	78	4	3 299	849 382	(W)	(W)
\$1,000,000 to \$2,499,999 -----	252	38	5 339	386 113	12	15	28 462	240	23	5 339	357 651	4	6
\$500,000 to \$999,999 -----	310	51	3 739	219 665	32	28	21 152	278	23	3 739	198 513	7	7
 \$250,000 to \$499,999 -----	 575	 210	 3 553	 203 714	 106	 88	 36 768	 469	 122	 3 553	 166 946	 7	 6
\$100,000 to \$249,999 -----	1 351	750	3 840	216 240	430	424	64 330	921	326	3 840	151 910	7	6
\$50,000 to \$99,999 -----	1 613	1 230	1 933	114 933	887	905	61 535	726	325	1 933	53 398	9	6
\$25,000 to \$49,999 -----	1 984	1 757	854	69 696	1 495	1 516	51 861	489	241	854	17 835	10	8
 Less than \$25,000 -----	 10 814	 10 476	 746	 84 294	 10 194	 10 150	 76 907	 620	 326	 746	 7 387	 8	 9
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	3 197	3 181	48 633	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 809	2 801	18 953	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 661	2 659	7 794	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	1 527	1 509	1 527	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	17 835	16 479	33 890	1 779 899	12 752	12 924	257 436	5 083	3 555	33 890	1 522 463	2	2
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	24	2	2 795	(D)	2	1	(D)	22	1	2 795	289 311	13	2
\$2,500,000 to \$4,999,999 -----	60	4	3 240	499 074	2	-	19 537	58	4	3 240	190 226	1	1
\$1,000,000 to \$2,499,999 -----	224	57	6 270	338 837	14	15	23 733	210	42	6 270	315 104	2	4
\$500,000 to \$999,999 -----	374	136	5 162	261 943	38	36	25 360	336	100	5 162	236 583	3	5
 \$250,000 to \$499,999 -----	 610	 369	 4 716	 212 471	 64	 64	 21 526	 546	 305	 4 716	 190 945	 5	 7
\$100,000 to \$249,999 -----	1 360	994	5 739	216 517	207	212	30 968	1 153	782	5 739	185 549	6	6
\$50,000 to \$99,999 -----	1 403	1 224	3 039	99 418	381	423	26 070	1 022	801	3 039	73 348	9	8
\$25,000 to \$49,999 -----	1 902	1 844	1 697	66 113	1 054	1 123	36 137	848	721	1 697	29 976	13	10
 Less than \$25,000 -----	 11 880	 11 850	 (S)	 85 524	 10 990	 11 050	 74 105	 (S)	 (S)	 (S)	 (S)	 -	 -
\$10,000 to \$24,999 -----	3 338	3 300	859	50 638	2 775	2 817	41 042	563	483	859	9 596	14	13
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 302	3 322	22 250	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 278	3 271	9 494	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 635	1 640	1 319	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	3 864	28 577	24 067	416 608	336 627	40 683	1 733 824	1 407 837
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	564	2 331	2 040	25 463	19 973	3 052	143 305	111 286
1522	Other residential buildings -----	38	463	395	6 527	5 096	602	52 624	35 708
1531	Operative builders -----	98	514	305	7 001	2 845	557	152 587	36 672
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	62	987	825	16 760	12 965	1 426	81 766	55 617
1542	Nonresidential buildings, n.e.c. -----	166	2 788	2 373	40 106	32 943	3 938	327 487	184 341
16	Heavy construction general contractors:								
1611	Highway and street construction -----	117	1 719	1 447	23 121	18 061	2 453	103 097	89 966
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	19	425	340	7 111	5 207	726	33 870	26 537
1623	Water, sewer, and utility lines -----	150	1 791	1 606	25 367	21 459	3 044	86 331	77 968
1629	Heavy construction, n.e.c. -----	121	2 454	2 275	55 695	51 701	4 792	130 079	116 078
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	602	3 486	2 756	48 488	38 618	4 587	185 763	164 838
1721	Painting, paper hanging, and decorating -----	138	618	563	6 897	6 054	814	17 607	17 011
1731	Electrical work -----	321	2 261	1 797	34 716	26 290	3 058	106 798	104 078
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	238	936	905	9 317	8 486	946	22 784	21 844
1742	Plastering, drywall, and insulation work -----	117	1 105	959	18 482	16 024	1 613	49 936	48 580
1743	Terrazzo, tile, marble, and mosaic work -----	18	*95	*03	*1 148	*977	*219	*3 499	*3 469
175	Carpentering and flooring:								
1751	Carpentering -----	162	456	430	3 446	3 101	580	14 120	12 037
1752	Floor laying and other floorwork -----	38	106	89	1 277	963	184	4 236	4 097
1761	Roofing and sheet metal work -----	140	1 273	1 065	16 978	13 880	1 629	61 493	58 759
1771	Concrete work -----	96	813	689	9 574	7 898	1 142	36 139	28 960
1781	Water well drilling -----	67	266	225	3 780	3 105	398	18 695	18 362
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	30	362	308	6 441	5 059	546	19 030	18 422
1793	Glass and glazing work -----	36	145	122	2 045	1 733	234	7 107	(D)
1794	Excavating and foundation work -----	227	1 434	1 302	22 384	19 316	2 339	96 631	91 792
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	23	250	221	5 510	4 690	405	17 130	15 939
1799	Special trade contractors, n.e.c. -----	225	(D)	(D)	12 259	(D)	(D)	(D)	46 681
6552	Subdividers and developers, n.e.c. -----	45	511	178	(D)	1 601	271	112 268	11 481

†Land receipts for SIC 1531 were \$5,948; for SIC 6552 were \$7,155.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
867 075	596 858	325 986	23 879	40 377	455 666	33 890	1 450 938	574 898	2	2	2	15,16,17
												15
60 813	53 728	32 019	534	2 197	17 855	5 013	211 032	67 384	8	7	16	152
21 816	15 530	16 915	107	343	3 235	491	21 194	4 120	6	5	8	1521
												1522
24 140	14 269	15 915	184	767	19 018	1 642	136 757	38 275	10	10	9	1531
33 009	23 935	26 149	1 921	1 921	15 346	1 765	84 916	31 318	12	9	8	154
107 266	78 344	143 146	2 014	2 783	37 305	3 244	246 883	51 267	5	3	2	1541
												1542
												16
51 726	45 425	13 131	2 878	4 253	82 998	2 373	103 547	47 427	6	6	17	1611
11 922	(D)	7 333	316	617	9 914	309	14 652	5 544	3	1	(W)	162
51 796	27 227	8 363	2 900	2 803	37 236	1 617	52 356	27 852	7	6	7	1622
91 828	32 634	14 001	1 524	2 351	36 223	1 530	49 224	24 740	4	4	23	1623
												1629
												17
88 143	79 353	20 925	1 930	2 572	35 512	3 704	163 331	68 015	6	5	10	1711
12 778	4 264	595	130	285	2 855	908	17 743	11 766	13	15	20	1721
56 067	49 276	2 720	1 145	1 623	21 300	2 303	77 518	40 360	7	6	9	1731
14 831	7 140	940	282	368	5 654	1 425	22 294	14 595	12	14	19	174
26 408	22 413	1 355	529	581	5 597	746	24 094	13 677	7	7	12	1741
*1 929	*1 545	*30	*35	*40	*1 060	122	4 183	3 591	45	45	55	1742
												1743
7 383	4 786	2 083	110	119	2 272	801	15 847	8 872	15	14	31	175
2 217	2 245	*139	*8	12	393	183	6 776	3 933	31	36	37	1751
												1752
33 805	26 106	2 734	484	773	10 002	1 354	37 509	21 517	11	11	9	1761
15 522	13 973	7 179	606	1 326	10 486	773	26 330	13 665	8	10	14	1771
10 475	8 000	333	124	388	6 771	330	15 945	9 147	18	16	26	1781
11 719	6 931	608	288	435	4 811	449	15 200	8 148	9	9	7	179
3 415	3 899	(D)	58	(D)	358	259	7 711	4 268	29	-	-	1791
74 446	37 109	4 839	4 832	11 999	60 780	816	30 741	20 197	9	8	4	1793
(D)	(D)	(D)	(D)	(D)	(D)	50	*1 162	*1 151	-	-	-	1794
11 566	(D)	*1 191	128	34	1 119	224	9 181	6 429	10	4	(W)	1795
(D)	16 757	(D)	647	1 229	10 427	953	19 693	12 049	-	17	13	1796
												1799
9 955	2 878	787	(D)	(D)	(D)	(S)	(S)	(S)	7	4	-	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	3 864	5 083	4 620	3 462	3	3	4	3
Number of establishments in business at end of year	3 729	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners	1 390	3 555	3 255	2 981	6	5	6	6
All employees**	28 577	33 890	35 475	27 761	2	2	3	2
Construction workers:								
March	22 653	26 936	25 328	21 568	2	2	3	2
May	24 239	30 192	29 380	24 138	2	2	4	2
August	24 873	31 361	31 788	27 132	2	2	4	2
November	22 976	28 546	28 234	24 988	2	2	4	2
Average	24 067	29 362	29 145	24 806	2	2	4	2
Other employees:								
March	4 492	4 380	5 835	2 840	3	3	3	3
Construction worker hours (thousands):								
January to March	9 455	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June	10 447	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September	10 852	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December	9 927	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked	40 683	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees	416 608	313 220	236 816	129 789	2	1	2	2
Payroll, construction workers	336 627	254 419	180 546	110 566	2	2	3	2
Payroll, other employees	79 981	58 801	56 270	19 271	2	2	2	5
First quarter payroll, all employees	95 008	65 273	(NA)	(NA)	2	1	(NA)	(NA)
Employer costs for fringe benefits	73 720	48 981	(NA)	(NA)	2	1	(NA)	(NA)
Legally required expenditures	56 957	36 570	(NA)	(NA)	2	2	(NA)	(NA)
Voluntary expenditures	16 762	12 411	(NA)	(NA)	2	2	(NA)	(NA)
All business receipts	1 803 023	1 522 463	1 120 217	610 654	2	2	4	2
Total construction receipts	1 733 824	1 450 938	969 519	581 028	2	2	4	2
Receipts for work subcontracted in from others	388 933	308 353	144 923	87 314	3	3	4	3
Land receipts ¹	13 103	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Other business receipts	56 096	71 525	150 698	29 632	4	3	5	8
Net construction receipts†	1 407 837	1 109 379	755 354	451 448	2	2	3	2
Value added††	867 075	574 898	419 108	249 620	2	2	4	2
Selected payments	922 844	916 457	591 946	345 393	2	2	4	2
Materials, components, and supplies ²	550 792	543 795	377 781	215 789	2	2	3	2
Construction work subcontracted to others	325 986	341 559	214 165	129 594	3	3	8	3
Selected power, fuels, and lubricants	46 066	31 103	(NA)	(NA)	4	3	(NA)	(NA)
Electricity	6 176	3 692	(NA)	(NA)	7	4	(NA)	(NA)
Natural gas	1 674	1 932	(NA)	(NA)	5	6	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	34 586	21 847	(NA)	(NA)	4	2	(NA)	(NA)
Other, including lubricating oils and greases	3 629	3 632	(NA)	(NA)	7	6	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	867	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	23 879	19 191	(NA)	(NA)	4	3	(NA)	(NA)
For machinery and equipment	19 860	16 350	12 446	8 025	5	3	7	4
For structures	4 018	2 842	(NA)	(NA)	5	6	(NA)	(NA)
Selected purchased services	39 129	30 249	(NA)	(NA)	3	2	(NA)	(NA)
Communication services	9 116	6 509	(NA)	(NA)	3	3	(NA)	(NA)
Repairs to structures and related facilities	1 735	2 013	(NA)	(NA)	12	9	(NA)	(NA)
Repairs to machinery and equipment	28 277	21 727	(NA)	(NA)	3	3	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	1 733 824	1 450 938	969 519	581 028	2	2	4	2
Government owned	362 576	261 372	297 197	247 253	6	2	9	3
Privately owned	1 371 247	1 189 566	672 322	333 775	2	2	4	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	440 760	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	40 377	67 845	36 750	18 309	4	8	7	7
New -----	31 226	57 683	31 144	12 926	5	10	7	6
Used -----	9 150	10 161	5 606	5 383	11	7	15	19
Retirements and disposition of depreciable assets -----	25 471	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	455 666	295 558	229 044	(NA)	4	3	6	(NA)
Depreciation charges during year -----	58 043	33 221	26 092	(NA)	3	3	7	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	79 781	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	4 974	21 376	7 115	(S)	20	27	12	-
New structures and related facilities -----	3 842	19 861	6 252	2 164	18	27	12	25
Used structures and related facilities -----	1 132	1 515	863	(S)	28	27	12	-
Retirements and disposition of depreciable assets -----	1 279	(NA)	(NA)	(NA)	23	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	83 476	71 361	42 188	(NA)	7	8	11	(NA)
Depreciation charges during year -----	8 509	4 156	2 906	(NA)	5	10	10	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	360 979	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	35 402	46 469	29 635	14 558	4	5	12	9
New machinery and equipment, including automobiles and trucks -----	27 384	37 822	24 892	10 762	3	4	8	6
New automobiles and trucks, intended primarily for highway use -----	7 234	15 784	(NA)	(NA)	4	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	8 018	8 647	4 743	3 796	11	6	17	13
Retirements and disposition of depreciable assets -----	24 191	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	372 190	224 197	186 856	(NA)	4	2	6	(NA)
Depreciation charges during year -----	49 533	29 065	23 186	(NA)	3	3	7	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	3 864	3
Total construction receipts	1 733 824	2
Establishments with inventories:		
Number	1 179	8
Total construction receipts	621 817	4
Inventories¹:		
End of 1982, total	36 541	6
Value for establishments with LIFO reserve	298	34
Amount of LIFO reserve	*242	41
Value for establishments with no LIFO reserve	36 243	6
End of 1981, total	31 390	6
Value for establishments with LIFO reserve	799	13
Amount of LIFO reserve	275	36
Value for establishments with no LIFO reserve	30 591	6
Establishments with no inventories:		
Number	2 685	3
Total construction receipts	1 112 007	2

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	3 864	2 471	696	412	216	54	11	2	-	1
All employees**	28 577	4 847	4 589	5 417	6 332	3 625	1 625	2 142	-	(D)
Payroll, all employees	416 608	43 595	53 465	73 195	100 699	59 907	36 181	49 565	-	(D)
Construction worker hours (thousands)	40 683	5 852	5 707	7 462	9 102	5 567	6 990	(D)	-	(D)
All business receipts	1 803 023	213 651	231 484	318 459	1 039 428	(D)	(D)	(D)	-	(D)
Total construction receipts	1 733 824	208 959	224 785	310 023	423 188	278 577	288 291	(D)	-	(D)
Net construction receipts†	1 407 837	182 142	194 360	257 228	327 082	222 327	224 698	(D)	-	(D)
Value added††	867 075	102 858	107 650	150 634	194 959	147 902	163 071	(D)	-	(D)
Payments for materials, components, supplies, and fuels	596 858	82 191	90 994	113 611	148 412	77 408	84 240	(D)	-	(D)
Payments for construction work subcontracted to others	325 986	26 816	30 425	52 795	96 106	56 250	63 593	(D)	-	(D)
Rental payments for machinery, equipment, and structures	23 879	2 556	2 710	4 647	5 366	4 307	3 472	819	-	(D)
Capital expenditures, other than land	40 377	4 630	6 620	6 776	6 803	3 601	11 944	(D)	-	(D)
End-of-year gross book value of depreciable assets	455 666	65 396	74 514	87 776	109 926	45 537	42 197	30 319	-	(D)
1977										
All employees**	33 890	6 692	6 425	6 453	6 907	4 665	1 896	*854	-	-
Total construction receipts	1 450 938	247 615	218 101	265 563	309 012	200 377	210 270	(D)	-	-
Value added††	574 898	107 273	89 910	111 492	129 575	76 927	59 722	(D)	-	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	4	7	6	4	(W)	(W)	(W)	-	-
Net construction receipts†	2	5	7	5	2	(W)	(W)	(W)	-	-
Capital expenditures, other than land	4	15	15	15	4	(W)	(W)	-	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	3 864	620	489	726	921	469	278	240	78	24	18
All employees**	28 577	746	854	1 933	3 840	3 553	3 739	5 339	3 299	1 379	3 893
Payroll, all employees	416 608	2 250	4 894	13 382	39 711	44 302	53 258	82 633	60 985	25 827	89 364
Construction worker hours (thousands)	40 683	620	909	2 147	4 688	4 886	5 056	7 775	5 171	2 297	7 129
All business receipts	1 803 023	7 387	17 835	53 398	151 910	166 946	198 513	357 651	849 382	(D)	(D)
Total construction receipts	1 733 824	7 187	17 604	52 504	148 711	163 314	192 789	344 651	270 037	161 347	375 679
Net construction receipts†	1 407 837	6 171	16 121	48 055	136 097	144 043	167 552	281 166	213 254	110 758	284 619
Value added††	867 075	3 566	9 474	27 925	75 184	81 434	93 532	166 610	132 253	54 366	222 729
Payments for materials, components, supplies, and fuels	596 858	2 733	6 795	20 687	62 713	65 389	79 296	125 740	84 592	58 688	90 222
Payments for construction work subcontracted to others	325 986	1 015	1 482	4 448	12 614	19 271	25 237	63 485	56 783	50 589	91 060
Rental payments for machinery, equipment, and structures	23 879	174	174	693	2 538	1 898	2 944	4 413	4 015	2 018	5 009
Capital expenditures, other than land	40 377	*111	203	715	3 795	5 358	3 703	6 653	4 840	2 776	12 219
End-of-year gross book value of depreciable assets	455 666	3 101	4 939	19 718	51 552	47 368	47 958	112 242	71 729	22 843	74 214
1977											
All employees**	33 890	(S)	1 697	3 039	5 739	4 716	5 162	6 270	3 240	12 795	(NA)
Total construction receipts	1 450 938	(S)	29 488	71 204	181 423	184 113	228 698	300 406	185 955	1258 317	(NA)
Value added††	574 898	(S)	16 828	36 302	82 689	77 880	94 291	126 974	67 901	165 494	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	8	10	9	7	7	7	4	(W)	(W)	(W)
Net construction receipts†	2	9	9	7	6	7	6	5	(W)	(W)	(W)
Capital expenditures, other than land	4	49	35	20	14	19	19	15	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars.. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	1 733 824	1 444 628	289 195	2	2	3
Building construction	1 132 401	956 742	175 659	2	2	4
Single-family houses	266 201	209 833	56 367	4	5	6
Single-family houses, detached	223 235	170 317	52 917	4	6	6
Single-family houses, attached	42 966	39 516	3 450	4	4	18
Apartment buildings with two or more apartments	74 753	69 448	5 304	6	6	15
Other residential buildings	57 175	52 054	5 121	4	3	28
Office and bank buildings	122 887	104 325	18 562	4	4	5
Office buildings	99 654	85 658	13 995	4	4	7
Bank buildings and other financial institutions	23 233	18 667	4 566	14	17	10
Farm buildings	6 688	4 504	*2 183	15	10	41
Industrial buildings and warehouses	229 139	182 416	46 723	4	4	7
Industrial buildings	189 795	147 329	42 466	5	5	7
Warehouses	39 344	35 087	4 257	8	8	11
Stores, restaurants, public garages, and automobile service stations	173 099	154 065	19 034	4	4	11
Religious buildings	29 324	25 391	3 933	15	18	14
Educational buildings	54 026	45 454	8 572	8	7	20
Hospitals and institutional buildings	100 741	93 613	7 128	2	2	8
Amusement, social, and recreational buildings	10 898	9 204	1 694	13	15	19
Other nonresidential buildings	7 470	6 435	1 038	23	22	31
Nonbuilding construction	459 012	372 326	86 686	3	3	5
Highways, streets, and related facilities	139 311	113 189	26 121	5	4	11
Bridges, tunnels, and elevated highways	34 851	31 694	3 157	9	9	4
Marine construction	18 656	15 633	3 022	3	(W)	21
Conservation and development construction	12 206	6 989	5 216	18	32	5
Power and communication transmission lines, towers, and related facilities	43 732	35 005	8 727	7	8	11
Sewers, water mains, and related facilities	52 720	43 078	9 642	6	6	10
Sewers, sewer lines, and related facilities	23 672	19 426	4 245	8	9	15
Water mains and related facilities	29 048	23 652	5 396	8	7	16
Pipeline, other than sewer or water lines	19 864	16 507	3 356	11	12	9
Sewage treatment and water treatment plants	19 088	17 196	1 891	17	16	33
Sewage treatment plants	10 492	9 315	1 176	23	21	38
Water treatment plants	8 595	7 880	*714	28	25	63
Heavy industrial facilities	72 575	63 252	9 322	4	3	11
Other nonbuilding construction	74 465	55 082	19 389	28	31	30
Construction work, n.s.k.	142 409	115 560	26 849	5	5	5
1977						
Total construction receipts†	1 450 938	1 230 885	220 053	2	2	3
Building construction	1 072 883	917 624	155 259	2	2	4
Single-family houses	455 698	386 367	69 331	4	4	8
Apartment buildings with two or more apartments	34 431	28 164	6 267	7	8	12
Other residential buildings	15 509	13 424	2 085	4	4	11
Office and bank buildings	71 911	61 297	10 614	5	5	7
Industrial buildings and warehouses	183 716	143 574	40 142	4	4	6
Stores, restaurants, public garages, and automobile service stations	93 648	86 424	7 224	4	4	7
Religious buildings	25 668	21 590	4 078	5	6	15
Educational buildings	81 507	76 808	4 699	2	2	4
Hospitals and institutional buildings	81 572	73 246	8 326	5	6	7
Other nonresidential buildings	29 225	26 728	2 497	11	12	10
Nonbuilding construction	273 769	221 341	52 428	2	2	4
Highways, streets, and related facilities	107 152	76 919	30 233	3	4	5
Bridges, tunnels, and elevated highways	16 991	15 244	1 747	4	2	14
Conservation and development construction	18 732	16 691	2 041	4	4	17
Power and communication transmission lines, towers, and related facilities	17 467	11 190	6 277	9	10	10
Sewers, water mains, and related facilities	46 673	43 414	3 259	6	6	20
Sewage treatment and water treatment plants	18 142	18 023	119	3	3	5
Other nonbuilding construction	48 612	39 860	8 752	4	4	4
Construction work, n.s.k.	104 300	91 887	12 413	6	6	18

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	3 864	24 067	40 683	22 653	9 455	24 239	10 447
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	564	2 040	3 052	1 680	649	1 960	760
1522	Other residential buildings -----	38	395	602	342	117	378	153
1531	Operative builders -----	98	305	557	219	103	256	118
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	62	825	1 426	710	297	908	401
1542	Nonresidential buildings, n.e.c. -----	166	2 373	3 938	2 301	939	2 513	1 053
16	Heavy construction general contractors:							
1611	Highway and street construction -----	117	1 447	2 453	1 057	374	1 498	631
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	19	340	726	285	134	366	196
1623	Water, sewer, and utility lines -----	150	1 606	3 044	1 541	726	1 769	828
1629	Heavy construction, n.e.c. -----	121	2 275	4 792	2 510	1 373	2 266	1 198
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning -----	602	2 756	4 587	2 736	1 122	2 602	1 099
1721	Painting, paper hanging, and decorating ----	138	563	814	540	189	623	224
1731	Electrical work -----	321	1 797	3 058	1 769	740	1 676	697
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	238	905	946	835	194	883	274
1742	Plastering, drywall, and insulation work ---	117	959	1 613	925	398	997	439
1743	Terrazzo, tile, marble, and mosaic work ---	18	*83	*219	*71	*49	*78	*55
175	Carpentering and flooring:							
1751	Carpentering -----	162	430	580	396	135	423	144
1752	Floor laying and other floorwork -----	38	89	184	85	*42	94	*48
1761	Roofing and sheet metal work -----	140	1 065	1 629	1 127	368	1 081	447
1771	Concrete work -----	96	689	1 142	596	241	670	287
1781	Water well drilling -----	67	225	398	226	102	245	105
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	30	308	546	303	131	320	137
1793	Glass and glazing work -----	36	122	234	134	63	119	56
1794	Excavating and foundation work -----	227	1 302	2 339	1 111	489	1 349	632
1795	Wrecking and demolition work -----	2	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	23	221	405	269	139	216	105
1799	Special trade contractors, n.e.c. -----	225	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	45	178	271	170	65	161	64

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
24 873	10 852	22 976	9 927	2	2	2	2	2	2	2	2	2	2	15,16,17
														15
2 176 408	790 155	2 133 438	851 176	9 6	8 7	8 8	10 13	8 8	10 11	11 5	10 7	9 4	11 5	152 1521 1522
296	145	416	188	13	13	17	21	15	18	16	17	13	12	1531
985 2 458	420 1 060	675 2 131	306 884	12 4	11 4	11 5	12 5	13 4	13 4	13 4	13 4	16 7	17 6	154 1541 1542
														16
1 617	796	1 562	650	6	5	7	8	7	7	6	6	6	6	1611
														162
381 1 623 2 259	194 783 1 182	318 1 461 1 996	201 706 1 038	2 8 3	1 6 3	4 8 3	2 7 3	2 8 3	1 7 3	1 9 4	2 8 3	(W) 8 4	1 8 4	1622 1623 1629
														17
2 794	1 198	2 641	1 166	5	6	5	7	5	7	6	7	6	8	1711
582	213	480	186	14	14	14	19	16	18	18	18	15	19	1721
1 909	822	1 756	798	8	8	12	13	8	9	8	9	7	8	1731
														174
875 938 *80	253 411 *57	892 878 *84	222 365 *57	12 6 46	16 6 49	16 6 45	21 7 51	14 6 46	21 7 53	14 9 45	22 9 52	13 8 49	18 9 53	1741 1742 1743
429 93	151 *46	428 93	148 *47	15 32	16 38	16 32	22 47	16 32	21 45	17 32	23 46	17 32	22 46	175 1751 1752
966	411	1 019	401	10	10	13	12	12	14	9	11	12	13	1761
758	324	699	289	8	8	8	9	8	10	8	9	8	10	1771
242	102	201	87	18	19	18	25	17	23	18	24	19	26	1781
345 116 1 361 (D) 183 (D)	149 *56 647 (D) 76 (D)	262 123 1 256 (D) 190 (D)	128 57 570 (D) 83 (D)	9 30 9 — —	9 33 8 — —	9 30 8 — —	10 37 9 — —	8 30 7 — —	10 39 8 — —	9 32 11 — —	10 41 11 — —	10 31 10 — —	11 40 10 — —	179 1791 1793 1794 1795 1796 1799
198	81	172	60	16	9	16	13	19	14	15	10	15	13	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

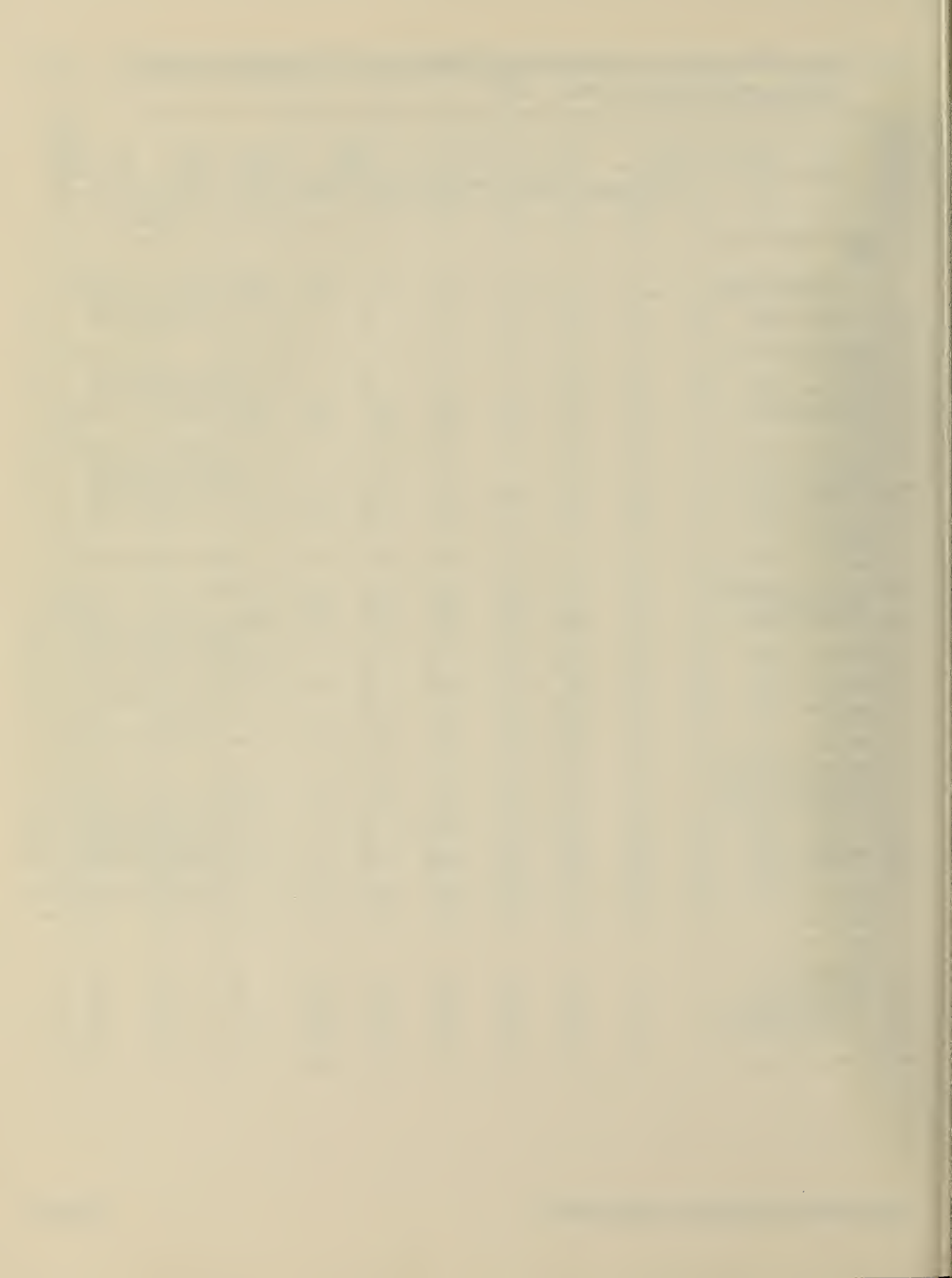
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	7.4	14.6	1.7	72.1	.240	.344	.188	.023	.014
15,16,17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.1	10.9	1.5	70.2	.178	.375	.223	.015	.004
1522	Other residential buildings -----	12.2	14.1	1.5	133.2	.124	.295	.321	.007	.002
1531	Operative builders -----	5.2	13.6	1.8	172.4	.133	.271	.303	.015	.003
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	15.9	17.0	1.7	99.1	.205	.293	.320	.023	.023
1542	Nonresidential buildings, n.e.c. -----	16.8	14.4	1.7	138.0	.122	.239	.437	.008	.006
16	Heavy construction general contractors:									
1611	Highway and street construction -----	14.7	13.5	1.7	71.2	.224	.441	.127	.041	.028
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	22.4	16.7	2.1	99.6	.210	(D)	.217	.018	.009
1623	Water, sewer, and utility lines -----	11.9	14.2	1.9	53.8	.294	.315	.097	.032	.034
1629	Heavy construction, n.e.c. -----	20.3	22.7	2.1	57.2	.428	.251	.108	.018	.012
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	5.8	13.9	1.7	67.4	.261	.427	.113	.014	.010
1721	Painting, paper hanging, and decorating -----	4.5	11.2	1.4	31.3	.392	.242	.034	.016	.007
1731	Electrical work -----	7.0	15.4	1.7	59.4	.325	.461	.025	.015	.011
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	3.9	10.0	1.0	25.2	.409	.313	.041	.016	.012
1742	Plastering, drywall, and insulation work -----	9.4	16.7	1.7	52.1	.370	.449	.027	.012	.011
1743	Terrazzo, tile, marble, and mosaic work -----	*5.3	*12.1	*2.6	*42.2	*.328	*.442	*.009	*.011	*.010
175	Carpentering and flooring:									
1751	Carpentering -----	2.8	7.6	1.3	32.8	.244	.339	.148	.008	.008
1752	Floor laying and other floorwork -----	2.8	12.0	2.1	47.6	.301	.530	*.033	.003	*.002
1761	Roofing and sheet metal work -----	9.1	13.3	1.5	57.7	.276	.425	.044	.013	.008
1771	Concrete work -----	8.5	11.8	1.7	52.5	.265	.387	.199	.037	.017
1781	Water well drilling -----	4.0	14.2	1.8	83.1	.202	.428	.018	.021	.007
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	12.1	17.8	1.8	61.8	.338	.364	.032	.023	.015
1793	Glass and glazing work -----	4.0	14.1	1.9	58.3	.288	.549	(D)	(D)	.008
1794	Excavating and foundation work -----	6.3	15.6	1.8	74.2	.232	.384	.050	.124	.050
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	10.9	22.0	1.8	77.5	.322	(D)	*.070	.002	.007
1799	Special trade contractors, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	11.4	(D)	1.5	68.9	(D)	.235	.064	(D)	(D)

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. * Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	MEMPHIS, TENN.-ARK.-MISS., SMSA											
	Construction industries and subdividers and developers	1 662	17 376	274 725	1 154 263	887 416	528 726	392 809	266 848	18 246	2	2
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	164	979	10 880	109 365	91 435	57 872	35 658	17 930	938	10	5
1522	Other residential buildings	27	255	4 318	38 348	23 306	13 634	10 002	15 042	111	2	(W)
1531	Operative builders	102	538	6 379	45 695	29 385	*8 353	21 257	16 310	*389	19	24
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	34	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(D)	-	-
1542	Nonresidential buildings, n.e.c.	68	1 765	28 709	191 931	84 481	48 899	36 112	107 450	1 038	4	3
16	Heavy construction general contractors:											
1611	Highway and street construction	43	915	12 490	60 813	50 041	20 801	(D)	10 772	3 966	11	6
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	4	70	1 156	5 644	3 745	1 738	(D)	1 899	(D)	(W)	(W)
1623	Water, sewer, and utility lines	36	833	10 587	38 482	32 104	21 705	10 654	6 378	1 517	8	5
1629	Heavy construction, n.e.c.	25	655	12 340	48 402	38 387	24 550	15 176	10 015	1 175	3	4
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	237	1 933	36 200	123 088	111 003	61 962	51 892	12 085	1 630	7	6
1721	Painting, paper hanging, and decorating	107	706	8 740	21 904	19 619	14 473	5 173	2 285	504	14	10
1731	Electrical work	143	1 659	36 877	92 309	90 320	54 712	40 560	1 989	960	6	5
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	71	490	7 080	17 215	16 793	10 962	5 899	423	431	14	12
1742	Plastering, drywall, and insulation work	86	1 036	17 631	57 215	53 210	34 297	20 822	4 005	613	8	8
1743	Terrazzo, tile, marble, and mosaic work	21	173	2 518	8 390	8 240	4 562	3 783	150	287	18	24
175	Carpentering and flooring:											
1751	Carpentering	101	488	4 436	15 295	13 961	7 466	6 535	1 334	*453	20	23
1752	Floor laying and other floorwork	40	169	1 852	8 274	7 646	4 161	3 587	628	115	18	18
1761	Roofing and sheet metal work	66	708	11 538	38 392	35 999	23 441	(D)	2 393	428	8	6
1771	Concrete work	63	348	2 982	9 027	8 505	5 198	3 349	522	119	26	20
1781	Water well drilling	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	19	284	5 081	10 828	10 058	8 384	(D)	770	279	9	7
1793	Glass and glazing work	14	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(S)	-	-
1794	Excavating and foundation work	60	1 000	12 832	45 152	39 127	28 936	(D)	6 026	1 474	8	6
1795	Wrecking and demolition work	4	(D)	(D)	496	418	427	(D)	78	(D)	-	(W)
1796	Installing building equipment, n.e.c.	19	343	7 458	23 247	22 592	14 919	7 701	655	465	6	4
1799	Special trade contractors, n.e.c.	88	624	7 355	31 989	29 111	15 578	15 044	2 878	414	12	15
6552	Subdividers and developers, n.e.c.	23	153	1 645	4 069	3 253	2 697	704	816	103	13	19



Louisiana

CONTENTS

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings	3

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1982 and 1977	4
2. Summary Statistics by Receipts Size Class: 1982 and 1977	5

Statistics for Establishments With Payroll

3. General Statistics by Industry: 1982 and 1977	6
4. Detailed Statistics: 1982 and Earlier Census Years	8
5. Assets, Capital Expenditures, and Depreciation: 1982 and Earlier Census Years	9
6. Value of Inventories: 1982 and 1981	9
7. Selected Statistics by Employment Size Class: 1982 and 1977	10
8. Selected Statistics by Receipts Size Class: 1982 and 1977	10
9. Construction Receipts by Type of Construction: 1982 and 1977	11
10. Quarterly Construction Worker Hours and Employment by Industry: 1982	12
11. Selected Industry Ratios in This State: 1982	14
12. Selected Statistics for Selected Standard Metropolitan Statistical Areas: 1982	15

The first part of the chapter discusses the importance of understanding the theory behind the practice. It is essential to have a solid foundation in the theoretical aspects of the field in order to be able to apply the knowledge in a practical setting. This section covers the basic principles and concepts that underpin the practice, and provides a framework for understanding the more complex issues that will be discussed in later chapters.

The second part of the chapter focuses on the practical application of the theory. It describes the various methods and techniques that are used in the field, and provides examples of how they are applied in practice. This section is designed to help the reader develop a practical understanding of the theory, and to provide them with the skills and knowledge that they will need to be able to apply the theory in their own work.

The third part of the chapter discusses the ethical considerations that are involved in the practice. It explores the various ethical issues that may arise, and provides guidance on how to deal with them. This section is intended to help the reader develop a strong ethical foundation, and to ensure that they are able to apply the theory in a way that is consistent with the highest standards of ethical practice.

SUMMARY OF FINDINGS

During 1982, 24,126 establishments in Louisiana operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$8.7 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 15,905 establishments in this State with no payroll accounted for about 8 percent of all business receipts for all construction establishments in Louisiana. On the other hand, 8,221 establishments classified as "employers" accounted for 92 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$8.0 billion, of which \$7.8 billion were receipts for construction work. These establishments paid \$1.4 billion for construction work subcontracted to others, leaving net construction receipts of about \$6.5 billion. Value added for these establishments amounted to \$4.1 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Louisiana paid \$2.3 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$192 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Louisiana was 120 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 43.9 million hours, while hours worked during the third quarter were 44.5 million hours.

Total payroll for 1982 was \$2.2 billion. Payments of \$410 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Louisiana are based on a sample of about 3,600 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers.....	24 126	17 497	119 557	8 707 885	15 905	15 270	668 627	8 221	2 227	119 557	8 039 258	1	1
15,16, 17	Construction industries¹	23 603	17 172	119 011	8 591 961	15 484	14 959	606 720	8 119	2 213	119 011	7 985 241	1	1
15	General building contractors and operative builders	4 013	2 037	24 084	2 309 018	1 882	1 535	184 359	2 131	502	24 084	2 124 659	2	1
16	Heavy construction, general contractors ..	1 025	366	36 664	2 682 522	300	273	33 394	725	93	36 664	2 649 128	1	2
17	Special trade contractors	18 565	14 769	58 263	3 600 421	13 302	13 151	388 967	5 263	1 618	58 263	3 211 454	1	(W)
1711	Plumbing, heating, and air conditioning....	2 183	1 398	8 945	617 735	1 112	1 077	48 232	1 071	321	8 945	569 503	3	2
1731	Electrical work	1 725	992	12 384	762 264	839	807	31 266	886	185	12 384	730 998	3	1
6552	Subdividers and developers, n.e.c.²	518	323	541	115 919	421	311	61 907	97	*12	541	54 012	13	12
	1977													
	Construction industries and subdividers and developers.....	18 406	14 574	107 326	4 908 270	10 897	10 721	329 087	7 509	3 853	107 326	4 579 183	1	1
15,16, 17	Construction industries¹	18 106	14 347	106 816	4 835 587	10 689	10 527	299 783	7 417	3 820	106 816	4 535 804	1	1
15	General building contractors and operative builders	3 759	2 363	25 405	1 501 515	1 462	1 289	131 125	2 297	1 074	25 405	1 370 390	2	2
16	Heavy construction, general contractors ..	913	408	37 015	1 666 170	194	180	21 685	719	228	37 015	1 644 485	1	(W)
17	Special trade contractors	13 434	11 577	44 396	1 667 902	9 033	9 058	146 973	4 401	2 519	44 396	1 520 929	2	1
1711	Plumbing, heating, and air conditioning....	1 659	1 179	8 825	411 670	713	700	18 856	946	479	8 825	392 814	3	3
1731	Electrical work	1 215	839	10 097	392 063	523	514	12 828	692	325	10 097	379 235	3	2
6552	Subdividers and developers, n.e.c.²	306	227	511	72 690	208	194	29 304	98	33	511	43 386	25	19

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K		
1982													
The State -----	24 126	17 497	119 557	8 707 885	15 905	15 270	668 627	8 221	2 227	119 557	8 039 258	1	1
\$10,000,000 or more -----	121	3	45 380	(D)	1	-	(D)	120	3	45 380	3 662 758	(W)	(W)
\$5,000,000 to \$9,999,999 -----	134	9	12 154	(D)	1	2	(D)	133	7	12 154	939 090	(W)	(W)
\$2,500,000 to \$4,999,999 -----	245	13	11 431	5 480 854	10	10	51 044	235	3	11 431	827 962	(W)	1
\$1,000,000 to \$2,499,999 -----	704	55	15 593	1 082 098	34	21	49 450	670	34	15 593	1 032 648	2	3
\$500,000 to \$999,999 -----	1 071	162	12 029	763 394	106	70	73 676	965	92	12 029	689 718	5	4
 \$250,000 to \$499,999 -----	 1 508	 489	 9 339	 536 207	 272	 215	 92 687	 1 236	 274	 9 339	 443 520	 5	 5
\$100,000 to \$249,999 -----	2 793	1 374	8 033	442 170	830	716	125 022	1 963	658	8 033	317 148	6	4
\$50,000 to \$99,999 -----	2 656	1 877	3 022	187 231	1 474	1 396	101 220	1 182	481	3 022	86 011	7	5
\$25,000 to \$49,999 -----	3 207	2 640	1 513	112 531	2 386	2 275	82 820	821	365	1 513	29 711	9	7
 Less than \$25,000 -----	 11 685	 10 875	 (S)	 103 399	 10 791	 10 565	 92 708	 (S)	 (S)	 (S)	 (S)	 -	 -
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	4 123	4 036	64 666	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 888	2 834	19 787	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 344	2 302	6 819	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	1 436	1 393	1 436	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
 1977													
The State -----	18 406	14 574	107 326	4 908 270	10 897	10 721	329 087	7 509	3 853	107 326	4 579 183	1	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ² -----	137	11	39 204	(D)	2	3	(D)	135	8	39 204	1 994 476	(W)	(W)
\$2,500,000 to \$4,999,999 -----	157	18	12 605	2 571 551	2	2	19 566	155	16	12 605	557 509	1	1
\$1,000,000 to \$2,499,999 -----	518	64	15 653	798 154	25	15	37 302	493	49	15 653	760 852	1	3
\$500,000 to \$999,999 -----	787	204	11 408	547 235	75	55	49 327	712	149	11 408	497 908	3	4
 \$250,000 to \$499,999 -----	 1 069	 411	 9 920	 379 062	 112	 70	 38 180	 957	 341	 9 920	 340 882	 4	 5
\$100,000 to \$249,999 -----	2 074	1 196	10 546	331 964	295	236	44 400	1 779	960	10 546	287 564	5	5
\$50,000 to \$99,999 -----	1 790	1 359	4 484	126 825	485	451	32 423	1 305	908	4 484	94 402	8	7
\$25,000 to \$49,999 -----	2 062	1 881	1 854	72 500	1 201	1 225	41 244	861	656	1 854	31 256	10	9
 Less than \$25,000 -----	 9 812	 9 430	 (S)	 80 981	 8 700	 8 664	 66 645	 (S)	 (S)	 (S)	 (S)	 -	 -
\$10,000 to \$24,999 -----	3 386	3 158	1 057	52 675	2 728	2 726	41 229	658	432	1 057	11 446	14	12
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 673	2 663	18 181	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 159	2 148	6 347	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 140	1 127	888	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	8 221	119 557	100 690	2 241 452	1 768 059	174 854	7 809 574	6 456 118
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 141	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings -----	117	1 382	1 149	27 083	19 488	2 051	181 704	91 020
1531	Operative builders -----	264	1 692	971	25 833	11 775	1 428	1156 685	106 722
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	178	5 518	4 693	109 536	90 350	8 422	352 575	253 312
1542	Nonresidential buildings, n.e.c. -----	431	8 489	6 860	155 864	113 532	12 091	1 042 669	456 993
16	Heavy construction general contractors:								
1611	Highway and street construction -----	165	9 935	8 783	142 908	109 773	12 088	637 067	568 113
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	12	348	309	7 019	5 661	569	34 885	24 949
1623	Water, sewer, and utility lines -----	231	7 626	6 384	160 574	126 997	12 340	516 145	469 064
1629	Heavy construction, n.e.c. -----	317	18 755	15 993	437 654	369 188	32 852	1 409 072	1 296 888
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 071	8 945	7 227	161 835	124 906	11 924	560 840	494 608
1721	Painting, paper hanging, and decorating -----	366	3 285	2 969	45 095	39 504	4 437	107 973	103 141
1731	Electrical work -----	886	12 384	10 309	268 876	217 142	18 277	726 187	703 774
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	254	2 309	2 142	32 863	27 596	2 932	92 650	86 510
1742	Plastering, drywall, and insulation work -----	230	5 524	4 849	122 925	105 189	8 629	289 436	274 261
1743	Terrazzo, tile, marble, and mosaic work -----	74	782	686	10 994	8 700	1 004	31 246	30 380
175	Carpentering and flooring:								
1751	Carpentering -----	533	3 928	3 508	65 736	53 414	5 921	154 325	139 293
1752	Floor laying and other floorwork -----	120	454	374	6 219	4 844	586	22 121	21 681
1761	Roofing and sheet metal work -----	327	3 420	3 010	49 931	40 220	4 604	146 900	140 371
1771	Concrete work -----	188	1 971	1 740	27 358	22 829	2 641	91 767	81 425
1781	Water well drilling -----	45	330	279	4 760	3 666	497	18 031	16 387
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	103	1 783	1 577	35 076	29 383	2 691	85 306	78 092
1793	Glass and glazing work -----	68	693	549	13 897	10 766	845	52 234	51 673
1794	Excavating and foundation work -----	358	4 108	3 501	70 294	56 601	6 018	258 773	239 483
1795	Wrecking and demolition work -----	9	112	92	1 763	1 511	172	4 203	4 016
1796	Installing building equipment, n.e.c. -----	57	1 364	1 106	31 513	23 794	1 928	95 706	94 710
1799	Special trade contractors, n.e.c. -----	574	6 871	5 679	137 806	86 829	10 597	367 660	350 026
6552	Subdividers and developers, n.e.c. -----	97	541	182	6 387	1 011	187	126 410	19 223

†Land receipts for SIC 1531 were \$21,846; for SIC 6552 were \$24,106.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
4 133 448	2 506 401	1 353 456	158 238	185 542	2 078 549	107 326	4 431 332	2 292 002	1	(W)	1	15,16, 17
(S)	(S)	(S)	(S)	(S)	(S)	8 138	327 733	96 786	-	-	-	152
58 359	34 884	90 684	1 883	953	8 668	833	43 022	7 345	6	6	(W)	1521
												1522
51 806	58 807	49 963	766	1 966	30 606	3 069	238 139	67 512	8	7	8	1531
174 964	83 268	99 263	7 228	2 811	43 749	4 944	178 362	84 912	3	2	3	154
229 474	231 285	585 675	8 790	10 170	72 031	8 421	535 776	149 036	2	2	2	1541
												1542
												16
269 947	309 277	68 953	9 573	28 183	328 718	9 665	483 869	215 880	1	1	1	1611
12 945	12 078	9 936	638	500	7 807	1 159	76 727	32 949	(W)	(W)	(W)	162
334 932	142 483	47 081	34 092	32 381	291 819	7 657	267 369	166 568	1	1	1	1622
917 177	412 132	112 184	45 727	34 137	628 835	18 534	775 402	534 889	1	1	1	1623
												1629
												17
273 642	229 627	66 232	5 608	8 866	87 731	8 825	388 423	189 489	3	2	4	1711
77 476	26 045	4 832	2 325	3 084	17 418	3 088	68 099	52 179	5	4	4	1721
423 237	285 348	22 412	6 260	17 786	99 394	10 097	377 648	240 922	3	1	6	1731
57 628	29 360	6 139	497	1 835	8 733	2 010	36 990	26 002	6	3	3	174
201 959	107 784	15 174	2 500	2 776	24 481	3 342	92 547	58 806	3	2	2	1741
16 788	13 667	865	477	369	3 234	423	12 251	6 969	8	9	14	1742
												1743
109 171	30 522	15 032	1 414	1 048	17 901	1 037	27 041	15 685	4	3	13	175
13 847	9 160	440	155	355	2 492	831	26 973	13 577	14	14	20	1751
												1752
91 464	(D)	6 529	1 462	2 367	22 835	2 634	71 529	44 656	5	3	6	1761
54 436	32 162	10 342	2 051	1 994	17 776	(S)	(S)	(S)	8	7	7	1771
7 647	8 781	1 644	489	598	8 131	488	15 026	8 781	11	8	(W)	1781
55 544	24 945	7 214	1 913	1 725	26 142	1 635	59 722	44 780	6	4	6	179
27 270	29 767	*561	490	436	3 153	493	16 548	10 438	9	8	9	1791
177 099	67 842	19 290	12 867	16 189	168 314	1 472	54 324	38 388	4	3	3	1793
3 712	652	187	380	190	2 174	88	1 863	1 680	(W)	(W)	(W)	1794
66 082	(D)	996	1 282	1 919	15 516	808	34 153	28 382	1	1	1	1795
266 998	109 708	17 634	5 444	6 555	81 838	6 241	186 256	137 638	2	2	4	1796
												1799
15 845	6 873	7 187	181	1 363	17 221	511	22 161	9 659	13	14	10	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	8 221	7 509	6 809	5 701	2	3	3	2
Number of establishments in business at end of year	8 008	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 227	3 853	3 905	3 837	4	5	5	5
All employees**	119 557	107 326	84 518	72 393	1	1	2	1
Construction workers:								
March	100 755	89 042	67 904	62 761	1	1	2	1
May	101 265	95 246	74 056	65 312	1	1	2	1
August	100 165	96 756	77 697	(S)	1	1	2	1
November	97 772	94 440	72 701	63 731	1	1	2	1
Average	100 690	94 265	73 789	64 412	1	1	2	1
Other employees:								
March	18 614	12 505	10 348	7 741	1	1	2	2
Construction worker hours (thousands):								
January to March	43 922	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	44 673	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	44 507	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	41 751	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	174 854	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	2 241 452	1 316 983	675 906	435 559	(W)	1	1	1
Payroll, construction workers	1 768 059	1 098 375	560 537	(S)	(W)	1	1	-
Payroll, other employees	473 393	218 608	115 369	(S)	1	1	2	-
First quarter payroll, all employees	542 256	296 056	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	410 001	230 460	(NA)	(NA)	1	4	(NA)	(NA)
Legally required expenditures	307 663	150 020	(NA)	(NA)	1	3	(NA)	(NA)
Voluntary expenditures	102 338	80 440	(NA)	(NA)	1	5	(NA)	(NA)
All business receipts	8 039 258	4 579 183	2 605 314	1 603 205	1	1	2	1
Total construction receipts	7 809 574	4 431 332	2 512 381	1 539 955	1	1	2	1
Receipts for work subcontracted in from others	1 448 912	863 245	409 128	279 409	1	1	3	2
Land receipts ¹	45 952	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts	183 731	147 852	92 933	63 867	2	3	7	9
Net construction receipts†	6 456 118	3 672 235	1 994 114	1 232 592	(W)	1	2	1
Value added††	4 133 448	2 292 002	1 204 292	779 721	1	1	2	1
Selected payments	3 859 858	2 239 410	1 370 854	797 600	1	1	2	1
Materials, components, and supplies ²	2 314 062	1 395 099	852 587	488 845	1	1	3	1
Construction work subcontracted to others	1 353 456	759 097	518 267	307 401	1	2	3	2
Selected power, fuels, and lubricants	192 339	85 215	(NA)	(NA)	1	1	(NA)	(NA)
Electricity	37 314	8 360	(NA)	(NA)	1	3	(NA)	(NA)
Natural gas	6 248	4 064	(NA)	(NA)	4	3	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	140 461	61 320	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases	8 316	11 476	(NA)	(NA)	2	2	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	5 445	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	158 238	83 666	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment	136 202	76 884	46 166	21 449	1	1	3	2
For structures	22 035	6 782	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services	162 848	102 592	(NA)	(NA)	1	1	(NA)	(NA)
Communication services	30 557	16 506	(NA)	(NA)	2	1	(NA)	(NA)
Repairs to structures and related facilities	8 110	4 248	(NA)	(NA)	3	3	(NA)	(NA)
Repairs to machinery and equipment	124 180	81 838	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	7 809 574	4 431 332	2 512 381	1 539 955	1	1	2	1
Government owned	1 302 272	1 017 223	774 417	504 376	2	1	2	2
Privately owned	6 507 302	3 414 109	1 737 964	1 035 579	1	1	3	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	1 946 624	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	185 542	178 062	74 522	42 936	1	3	3	3
New -----	144 506	157 343	62 926	36 232	2	3	3	3
Used -----	41 036	20 719	11 596	6 704	2	3	8	7
Retirements and disposition of depreciable assets -----	53 616	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	2 078 549	1 026 272	525 828	(NA)	1	1	2	(NA)
Depreciation charges during year -----	228 990	106 527	55 504	(NA)	1	1	3	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	238 180	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	23 820	25 898	9 282	5 737	2	18	13	16
New structures and related facilities -----	20 024	24 302	7 370	4 522	2	18	14	6
Used structures and related facilities -----	3 796	1 596	1 912	1 215	5	18	12	27
Retirements and disposition of depreciable assets -----	7 294	(NA)	(NA)	(NA)	13	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	254 706	170 038	63 523	(NA)	2	4	6	(NA)
Depreciation charges during year -----	23 878	8 401	5 028	(NA)	2	4	16	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	1 708 444	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	161 721	152 164	65 240	37 199	1	2	6	4
New machinery and equipment, including automobiles and trucks -----	124 482	133 041	55 556	31 710	2	2	3	3
New automobiles and trucks, intended primarily for highway use -----	36 100	38 843	(NA)	(NA)	4	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	37 239	19 123	9 684	5 489	1	3	9	6
Retirements and disposition of depreciable assets -----	46 322	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 823 843	856 234	462 305	(NA)	1	1	2	(NA)
Depreciation charges during year -----	205 112	98 126	50 476	(NA)	1	1	2	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	8 221	2
Total construction receipts	7 809 574	1
Establishments with inventories:		
Number	2 391	6
Total construction receipts	3 676 428	1
Inventories ¹ :		
End of 1982, total	150 800	2
Value for establishments with LIFO reserve	33 589	1
Amount of LIFO reserve	10 492	3
Value for establishments with no LIFO reserve	117 211	3
End of 1981, total	136 702	2
Value for establishments with LIFO reserve	32 885	2
Amount of LIFO reserve	12 881	3
Value for establishments with no LIFO reserve	103 817	3
Establishments with no inventories:		
Number	5 830	2
Total construction receipts	4 133 146	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	8 221	4 417	1 724	1 095	642	194	97	24	15	12
All employees**	119 557	8 869	11 184	14 961	18 876	13 605	15 269	7 657	9 712	19 424
Payroll, all employees	2 241 452	95 207	150 847	220 976	341 832	271 112	330 318	177 681	256 308	397 170
Construction worker hours (thousands)	174 854	10 918	13 539	18 654	26 155	20 368	25 113	11 654	17 800	30 650
All business receipts	8 039 258	508 010	637 171	860 598	1 291 121	2 172 902	(D)	625 936	748 570	1 194 948
Total construction receipts	7 809 574	491 477	615 302	838 749	1 256 427	1 033 017	1 076 855	603 862	703 426	1 190 458
Net construction receipts†	6 456 118	406 011	506 779	692 856	997 818	787 898	859 844	1 089 221	(D)	1 115 690
Value added††	4 133 448	231 034	299 747	411 227	610 988	470 007	593 091	354 422	424 163	738 768
Payments for materials, components, supplies, and fuels	2 506 401	182 800	219 874	298 552	411 661	337 219	297 029	377 854	(D)	381 412
Payments for construction work subcontracted to others	1 353 456	85 465	108 523	145 893	258 609	245 119	217 011	218 067	(D)	74 768
Rental payments for machinery, equipment, and structures	158 238	5 886	8 713	13 130	22 882	21 820	20 788	22 524	8 938	33 555
Capital expenditures, other than land	185 542	10 938	11 572	17 384	24 523	21 550	27 661	25 345	11 028	35 539
End-of-year gross book value of depreciable assets	2 078 549	107 077	137 259	180 713	239 419	183 609	246 063	220 871	106 651	656 886
1977										
All employees**	107 326	8 217	10 804	14 428	17 135	12 880	12 089	11 712	6 215	13 847
Total construction receipts	4 431 332	332 826	431 252	498 403	751 255	580 039	527 852	863 858	(D)	445 847
Value added††	2 292 002	137 716	179 101	234 490	357 765	277 294	299 352	517 538	(D)	288 745
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	4	4	1	(W)	(W)	(W)	(W)	(W)
Net construction receipts†	(W)	3	4	3	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	1	9	9	10	3	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments	8 221	(S)	821	1 182	1 963	1 236	965	670	235	133	120
All employees**	119 557	(S)	1 513	3 022	8 033	9 339	12 029	15 593	11 431	12 154	45 380
Payroll, all employees	2 241 452	(S)	8 548	24 728	86 058	124 595	184 170	280 360	233 792	250 633	1 045 425
Construction worker hours (thousands)	174 854	(S)	1 554	3 345	9 746	11 668	14 985	21 135	16 966	18 697	75 854
All business receipts	8 039 258	(S)	29 711	86 011	317 148	443 520	689 718	1 032 648	827 962	939 090	3 662 758
Total construction receipts	7 809 574	(S)	29 208	84 215	310 558	433 468	667 639	999 319	807 266	909 217	3 558 264
Net construction receipts†	6 456 118	(S)	26 199	75 216	276 988	379 612	573 601	816 894	662 194	676 434	2 959 752
Value added††	4 133 448	(S)	16 156	45 490	162 001	227 350	352 129	491 805	411 657	443 673	1 977 506
Payments for materials, components, supplies, and fuels	2 506 401	(S)	10 395	30 799	119 609	158 223	237 315	346 804	268 834	258 455	1 072 285
Payments for construction work subcontracted to others	1 353 456	(S)	3 009	8 999	33 569	53 856	94 038	182 425	145 071	232 783	598 512
Rental payments for machinery, equipment, and structures	158 238	(S)	313	1 074	4 516	7 044	9 376	15 738	20 768	18 948	80 371
Capital expenditures, other than land	185 542	(S)	519	2 154	7 336	10 416	15 163	16 670	19 022	13 363	100 863
End-of-year gross book value of depreciable assets	2 078 549	(S)	8 208	22 888	81 282	90 747	153 725	200 679	155 819	157 899	1 203 688
1977											
All employees**	107 326	(S)	1 854	4 484	10 546	9 920	11 408	15 653	12 605	139 204	(NA)
Total construction receipts	4 431 332	(S)	30 797	93 039	280 851	330 642	479 491	731 482	538 779	11 932 164	(NA)
Value added††	2 292 002	(S)	17 163	47 476	133 960	158 761	220 493	341 789	270 397	11 094 382	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	-	9	7	6	5	5	2	(W)	(W)	(W)
Net construction receipts†	(W)	-	7	6	4	5	3	2	(W)	(W)	(W)
Capital expenditures, other than land	1	-	27	15	11	10	11	3	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	7 809 574	6 091 058	1 718 515	1	1	1
Building construction	3 927 587	3 174 796	752 791	1	1	1
Single-family houses	799 732	636 739	162 992	3	3	3
Single-family houses, detached	709 992	564 654	145 337	3	4	4
Single-family houses, attached	89 739	72 084	17 654	5	6	10
Apartment buildings with two or more apartments	210 236	181 264	28 971	7	6	7
Other residential buildings	173 495	158 391	15 103	3	2	11
Office and bank buildings	922 730	822 702	100 028	1	1	2
Office buildings	814 185	738 159	76 026	1	1	3
Bank buildings and other financial institutions	108 545	84 543	24 001	2	2	2
Farm buildings	10 944	10 244	700	18	17	29
Industrial buildings and warehouses	846 840	542 392	304 447	1	2	1
Industrial buildings	749 223	459 053	290 170	1	2	1
Warehouses	97 616	83 339	14 277	6	5	12
Stores, restaurants, public garages, and automobile service stations	293 084	241 628	51 455	3	3	5
Religious buildings	69 718	56 960	12 758	6	6	11
Educational buildings	215 478	185 523	29 954	4	4	7
Hospitals and institutional buildings	269 715	235 090	34 625	2	1	4
Amusement, social, and recreational buildings	50 246	47 106	3 140	6	7	20
Other nonresidential buildings	76 313	67 001	9 318	3	4	9
Nonbuilding construction	3 226 493	2 388 873	837 620	(W)	(W)	1
Highways, streets, and related facilities	635 778	405 410	230 367	1	2	1
Bridges, tunnels, and elevated highways	38 659	27 591	11 067	4	1	16
Marine construction	328 931	240 067	88 864	(W)	(W)	1
Harbor and port facilities	73 189	52 790	20 399	2	1	4
Conservation and development construction	45 909	37 018	8 891	6	7	2
Power and communication transmission lines, towers, and related facilities	111 064	83 773	27 290	5	5	4
Sewers, water mains, and related facilities	133 256	111 236	22 020	3	3	6
Sewers, sewer lines, and related facilities	76 017	65 061	10 956	4	4	9
Water mains and related facilities	57 238	46 175	11 063	4	4	9
Pipeline, other than sewer or water lines	396 535	352 135	44 400	1	1	2
Sewage treatment and water treatment plants	63 534	53 370	10 163	4	3	14
Sewage treatment plants	46 101	39 592	6 508	6	4	22
Water treatment plants	17 433	13 778	3 655	(W)	(W)	1
Heavy industrial facilities	897 521	594 366	303 155	(W)	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes	750 602	481 296	269 306	(W)	(W)	1
Power plants	146 918	113 069	33 849	1	1	1
Power plants, nuclear	24 960	18 146	6 814	(W)	(W)	(W)
Power plants, except nuclear	121 957	94 923	27 034	1	1	1
Oilfields	376 879	341 308	35 571	1	1	7
Other nonbuilding construction	761 016	495 219	265 800	5	5	11
Construction work, n.s.k.	655 493	527 389	128 104	3	3	2
1977						
Total construction receipts†	4 431 332	3 466 140	965 192	1	1	1
Building construction	2 261 093	1 881 507	379 586	1	1	2
Single-family houses	767 053	643 785	123 268	3	4	4
Apartment buildings with two or more apartments	96 481	79 265	17 216	4	4	8
Other residential buildings	72 002	59 258	12 744	3	2	11
Office and bank buildings	203 685	166 186	37 499	2	2	5
Industrial buildings and warehouses	473 780	370 783	102 997	2	2	2
Stores, restaurants, public garages, and automobile service stations	170 229	142 765	27 464	5	5	5
Religious buildings	43 022	34 360	8 662	4	4	9
Educational buildings	147 762	133 030	14 732	2	1	8
Hospitals and institutional buildings	212 443	183 244	29 199	2	2	2
Amusement, social, and recreational buildings	41 607	38 978	2 629	3	3	9
Other nonresidential buildings	33 030	29 855	3 175	8	8	12
Nonbuilding construction	1 950 449	1 392 695	557 754	(W)	1	1
Highways, streets, and related facilities	447 251	357 734	89 517	1	1	1
Bridges, tunnels, and elevated highways	92 759	91 670	1 089	1	1	1
Marine construction	226 106	154 667	71 439	2	2	1
Harbor and port facilities	52 197	42 103	10 094	(W)	(W)	(W)
Conservation and development construction	66 672	49 521	17 151	3	3	5
Power and communication transmission lines, towers, and related facilities	68 041	51 285	16 756	2	2	2
Sewers, water mains, and related facilities	105 984	95 981	10 003	4	4	7
Pipeline, other than sewer or water lines	154 767	129 846	24 921	2	1	7
Heavy industrial facilities	524 010	258 681	265 329	(W)	(W)	(W)
Oilfields	104 001	74 166	29 835	2	2	5
Other nonbuilding construction	108 661	87 041	21 620	5	5	8
Construction work, n.s.k.	219 820	191 750	28 070	4	4	6

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

(Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix)

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction Industries and subdividers and developers-----	8 221	100 690	174 854	100 755	43 922	101 265	44 673
15,16,17	Construction Industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	1 141	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings -----	117	1 149	2 051	1 033	424	1 261	611
1531	Operative builders -----	264	971	1 428	925	357	924	337
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	178	4 693	8 422	4 991	2 180	4 563	2 265
1542	Nonresidential buildings, n.e.c. -----	431	6 860	12 091	6 884	2 981	6 973	3 075
16	Heavy construction general contractors:							
1611	Highway and street construction -----	165	8 783	12 088	7 818	2 619	8 956	3 146
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	12	309	569	329	147	325	157
1623	Water, sewer, and utility lines -----	231	6 384	12 340	6 433	3 172	6 458	3 109
1629	Heavy construction, n.e.c. -----	317	15 993	32 852	17 916	9 527	16 827	8 651
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	1 071	7 227	11 924	7 047	2 927	7 394	3 113
1721	Painting, paper hanging, and decorating ----	366	2 969	4 437	2 829	1 032	2 915	1 114
1731	Electrical work -----	886	10 309	18 277	9 931	4 381	10 424	4 712
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	254	2 142	2 932	2 036	682	2 215	746
1742	Plastering, drywall, and insulation work ----	230	4 849	8 629	4 479	1 812	4 560	2 021
1743	Terrazzo, tile, marble, and mosaic work ----	74	686	1 004	630	231	694	251
175	Carpentering and flooring:							
1751	Carpentering -----	533	3 508	5 921	4 165	1 808	3 662	1 602
1752	Floor laying and other floorwork-----	120	374	586	375	144	377	145
1761	Roofing and sheet metal work -----	327	3 010	4 604	2 912	1 113	3 013	1 195
1771	Concrete work -----	188	1 740	2 641	1 591	562	1 701	674
1781	Water well drilling -----	45	279	497	292	132	292	131
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	103	1 577	2 691	1 608	679	1 640	720
1793	Glass and glazing work -----	68	549	845	538	196	558	219
1794	Excavating and foundation work-----	358	3 501	6 018	3 586	1 554	3 416	1 511
1795	Wrecking and demolition work -----	9	92	172	81	36	98	44
1796	Installing building equipment, n.e.c. -----	57	1 106	1 928	1 340	564	1 065	470
1799	Special trade contractors, n.e.c. -----	574	5 679	10 597	5 167	2 353	5 053	2 296
6552	Subdividers and developers, n.e.c. -----	97	182	187	145	38	160	42

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
100 165	44 507	97 772	41 751	1	1	1	1	1	1	1	1	1	1	15,16, 17
														15
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	152
1 140	516	1 137	499	6	5	4	3	14	13	5	3	7	4	1521
														1522
986	372	975	361	9	8	10	12	10	10	9	9	9	10	1531
4 244	1 934	4 943	2 041	3	2	4	4	5	4	3	3	2	2	154
6 946	3 194	6 449	2 840	2	2	2	2	2	2	2	2	2	2	1541
														1542
														16
9 453	3 350	8 822	2 971	1	1	1	1	(W)	1	1	1	1	1	1611
														162
298	141	278	122	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1622
6 460	3 188	6 111	2 871	1	1	1	1	1	1	2	2	2	2	1623
14 829	7 971	14 300	6 702	1	1	1	1	1	1	1	1	1	1	1629
														17
7 370	3 073	6 630	2 810	3	3	3	3	3	3	3	3	3	3	1711
3 158	1 237	2 826	1 053	5	4	5	5	6	5	6	5	5	6	1721
10 507	4 717	10 097	4 465	3	2	2	2	4	3	3	3	2	2	1731
														174
2 238	833	1 949	670	6	5	7	7	6	6	7	6	7	7	1741
5 015	2 337	5 252	2 458	3	3	2	2	2	2	3	3	3	3	1742
684	257	722	264	8	10	8	12	8	11	9	12	8	11	1743
														175
3 317	1 386	2 655	1 124	4	3	4	3	5	4	5	5	6	5	1751
369	146	354	150	14	16	14	20	14	19	16	21	15	21	1752
3 163	1 214	2 864	1 081	5	5	5	6	5	6	6	6	6	5	1761
1 967	772	1 663	633	8	8	9	11	9	10	8	9	7	8	1771
263	115	254	117	11	11	11	13	11	14	12	15	12	14	1781
														179
1 580	695	1 394	595	6	6	6	7	6	6	5	6	7	7	1791
500	211	584	218	10	11	10	14	10	13	10	13	10	13	1793
3 436	1 544	3 446	1 407	4	3	4	4	5	4	4	4	7	4	1794
98	50	88	41	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1795
921	394	1 071	499	1	1	1	1	2	3	1	1	1	2	1796
5 047	2 405	7 314	3 542	2	2	3	2	3	3	2	2	1	1	1799
181	47	219	58	11	18	8	26	7	25	9	25	18	29	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	14.6	18.7	1.7	77.6	.287	.321	.173	.024	.020
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings	11.8	19.6	1.8	158.1	.149	.192	.499	.005	.010
1531	Operative builders	6.4	15.3	1.5	161.4	.165	.375	.319	.013	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	31.0	19.9	1.8	75.1	.311	.236	.282	.008	.021
1542	Nonresidential buildings, n.e.c.	19.7	18.4	1.8	152.0	.149	.222	.562	.010	.008
16	Heavy construction general contractors:									
1611	Highway and street construction	60.2	14.4	1.4	72.5	.224	.485	.108	.044	.015
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	29.0	20.2	1.8	112.9	.201	.346	.285	.014	.018
1623	Water, sewer, and utility lines	33.0	21.1	1.9	80.8	.311	.276	.091	.063	.066
1629	Heavy construction, n.e.c.	59.2	23.3	2.1	88.1	.311	.292	.080	.024	.032
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	8.4	18.1	1.6	77.6	.289	.409	.118	.016	.010
1721	Painting, paper hanging, and decorating	9.0	13.7	1.5	36.4	.418	.241	.045	.029	.022
1731	Electrical work	14.0	21.7	1.8	70.4	.370	.393	.031	.024	.009
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	9.1	14.2	1.4	43.3	.355	.317	.066	.020	.005
1742	Plastering, drywall, and insulation work	24.0	22.3	1.8	59.7	.425	.372	.052	.010	.009
1743	Terrazzo, tile, marble, and mosaic work	10.6	14.1	1.5	45.5	.352	.437	.028	.012	.015
175	Carpentering and flooring:									
1751	Carpentering	7.4	16.7	1.7	44.0	.426	.198	.097	.007	.009
1752	Floor laying and other floorwork	3.8	13.7	1.6	59.1	.281	.414	.020	.016	.007
1761	Roofing and sheet metal work	10.5	14.6	1.5	48.8	.340	(D)	.044	.016	.010
1771	Concrete work	10.5	13.9	1.5	52.7	.298	.350	.113	.022	.022
1781	Water well drilling	7.3	14.4	1.8	64.6	.264	.487	.091	.033	.027
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	17.3	19.7	1.7	54.1	.411	.292	.085	.020	.022
1793	Glass and glazing work	10.2	20.1	1.5	95.1	.266	.570	.011	.008	.009
1794	Excavating and foundation work	11.5	17.1	1.7	73.9	.272	.262	.075	.063	.050
1795	Wrecking and demolition work	12.4	15.7	1.9	45.7	.419	.155	.044	.045	.090
1796	Installing building equipment, n.e.c.	23.9	23.1	1.7	86.5	.329	(D)	.010	.020	.013
1799	Special trade contractors, n.e.c.	12.0	20.1	1.9	64.7	.375	.298	.048	.018	.015
6552	Subdividers and developers, n.e.c.	5.6	11.8	1.0	145.1	.242	.260	.272	.052	.007

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	NEW ORLEANS SMSA											
	Construction industries and subdividers and developers	2 064	30 429	614 888	2 307 079	1 798 654	1 105 563	729 534	508 425	47 501	1	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	259	1 296	16 599	79 912	61 723	39 111	23 206	18 189	346	11	10
1522	Other residential buildings -----	25	631	17 383	121 521	(D)	45 151	19 820	(D)	633	2	-
1531	Operative builders -----	82	416	7 738	59 356	34 450	(D)	24 683	24 906	480	15	13
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	25	797	19 173	68 075	46 083	27 663	(D)	21 992	899	6	5
1542	Nonresidential buildings, n.e.c. -----	122	3 266	65 039	446 361	180 966	91 196	90 913	265 395	3 909	3	2
16	Heavy construction general contractors:											
1611	Highway and street construction -----	22	1 395	32 633	108 600	97 909	52 339	45 954	10 691	4 768	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	21	2 115	46 715	133 613	(D)	89 947	31 666	(D)	(D)	2	-
1629	Heavy construction, n.e.c. -----	39	1 564	39 275	157 136	140 366	87 616	54 383	16 771	5 585	4	2
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	353	3 356	64 069	214 796	188 338	105 063	86 589	26 458	3 198	5	4
1721	Painting, paper hanging, and decorating -----	103	1 041	14 772	37 101	35 771	27 990	7 929	1 331	525	7	8
1731	Electrical work -----	244	4 910	114 021	333 435	322 350	189 657	133 163	11 085	8 010	3	2
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	52	677	13 835	51 537	46 844	27 522	(D)	4 693	(D)	7	2
1742	Plastering, drywall, and insulation work -----	66	1 562	33 682	106 556	98 508	66 576	37 522	8 048	765	6	6
1743	Terrazzo, tile, marble, and mosaic work -----	14	263	3 318	9 234	9 180	3 891	5 345	55	236	7	15
175	Carpentering and flooring:											
1751	Carpentering -----	111	507	6 341	23 482	17 718	10 831	6 899	5 764	*144	15	15
1752	Floor laying and other floorwork -----	35	152	2 052	6 420	6 195	4 376	(D)	*225	(S)	21	23
1761	Roofing and sheet metal work -----	122	1 388	19 921	59 203	56 779	32 807	24 252	2 424	741	10	6
1771	Concrete work -----	28	683	11 907	31 525	27 983	22 285	(D)	3 542	442	5	9
1781	Water well drilling -----	*4	*11	*108	*269	*233	*77	*156	*37	-	50	43
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	39	606	12 966	32 507	28 122	19 033	9 398	4 385	342	12	5
1793	Glass and glazing work -----	32	333	7 437	(D)	30 057	16 203	16 849	(D)	142	13	9
1794	Excavating and foundation work -----	65	1 175	24 294	79 504	76 617	55 753	21 664	2 887	7 309	8	4
1795	Wrecking and demolition work -----	4	(D)	(D)	1 172	1 147	1 123	(D)	25	33	-	(W)
1796	Installing building equipment, n.e.c. -----	25	846	19 510	51 242	50 572	37 418	(D)	670	730	1	1
1799	Special trade contractors, n.e.c. -----	138	1 051	16 160	47 148	44 179	30 134	18 065	2 970	686	10	7
6552	Subdividers and developers, n.e.c. ---	35	280	3 795	8 491	6 056	6 556	2 378	2 435	813	23	23

Oklahoma

CONTENTS

[Page numbers listed here omit the prefix that appears as part of the number of each page]

	Page
Summary of Findings	3

TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1982 and 1977	4
2. Summary Statistics by Receipts Size Class: 1982 and 1977	5

Statistics for Establishments With Payroll

3. General Statistics by Industry: 1982 and 1977	6
4. Detailed Statistics: 1982 and Earlier Census Years	8
5. Assets, Capital Expenditures, and Depreciation: 1982 and Earlier Census Years	9
6. Value of Inventories: 1982 and 1981	9
7. Selected Statistics by Employment Size Class: 1982 and 1977	10
8. Selected Statistics by Receipts Size Class: 1982 and 1977	10
9. Construction Receipts by Type of Construction: 1982 and 1977	11
10. Quarterly Construction Worker Hours and Employment by Industry: 1982	12
11. Selected Industry Ratios in This State: 1982	14
12. Selected Statistics for Selected Standard Metropolitan Statistical Areas: 1982	15

1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

1891

1892

1893

1894

1895

1896

1897

1898

1899

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SUMMARY OF FINDINGS

During 1982, 32,234 establishments in Oklahoma operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$5.7 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 25,153 establishments in this State with no payroll accounted for about 23 percent of all business receipts for all construction establishments in Oklahoma. On the other hand, 7,081 establishments classified as "employers" accounted for 77 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$4.3 billion, of which \$4.2 billion were receipts for construction work. These establishments paid \$904 million for construction work subcontracted to others, leaving net construction receipts of about \$3.3 billion. Value added for these establishments amounted to \$2.0 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Oklahoma paid \$1.3 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$97.2 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Oklahoma was 63.6 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 20.2 million hours, while hours worked during the third quarter were 23.0 million hours.

Total payroll for 1982 was \$1.1 billion. Payments of \$186 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Oklahoma are based on a sample of about 3,000 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers.....	32 234	27 577	63 606	5 676 008	25 153	25 055	1 327 102	7 081	2 522	63 606	4 348 906	1	1
15,16,17	Construction industries ¹	31 751	27 180	63 277	5 552 199	24 759	24 672	1 229 639	6 992	2 508	63 277	4 322 560	1	1
15	General building contractors and operative builders	4 833	3 316	14 952	2 107 288	3 103	2 901	539 768	1 730	415	14 952	1 567 520	2	2
16	Heavy construction, general contractors ..	1 296	839	14 085	920 445	650	648	41 191	646	191	14 085	879 254	1	1
17	Special trade contractors	25 622	23 025	34 240	2 524 466	21 006	21 123	648 680	4 616	1 902	34 240	1 875 786	1	1
1711	Plumbing, heating, and air conditioning.....	2 666	2 098	6 837	531 877	1 651	1 662	83 768	1 015	436	6 837	448 109	4	3
1731	Electrical work	1 646	1 188	5 778	353 028	1 026	1 020	45 722	620	168	5 778	307 306	4	3
6552	Subdividers and developers, n.e.c. ²	481	395	323	123 806	394	383	97 463	87	12	323	26 343	12	13
	1977													
	Construction industries and subdividers and developers.....	24 132	21 990	51 848	2 898 862	17 162	17 316	430 129	6 970	4 674	51 848	2 468 733	1	1
15,16,17	Construction industries ¹	23 808	21 698	51 525	2 846 098	16 914	17 052	399 181	6 894	4 646	51 525	2 446 917	1	1
15	General building contractors and operative builders	4 355	3 553	12 746	1 109 591	2 382	2 347	187 783	1 973	1 206	12 746	921 808	3	3
16	Heavy construction, general contractors ..	990	726	11 688	595 135	363	370	13 202	627	356	11 688	581 933	2	1
17	Special trade contractors	18 463	17 419	27 091	1 141 372	14 169	14 335	198 196	4 294	3 084	27 091	943 176	2	2
1711	Plumbing, heating, and air conditioning.....	1 909	1 554	5 846	286 089	1 018	1 033	25 356	891	521	5 846	260 733	5	4
1731	Electrical work	1 146	942	4 404	171 080	587	591	9 259	559	351	4 404	161 821	5	4
6552	Subdividers and developers, n.e.c. ²	330	292	323	52 770	248	264	30 948	82	28	323	21 822	16	15

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State	32 234	27 577	63 606	5 676 008	25 153	25 055	1 327 102	7 081	2 522	63 606	4 348 906	1	1
\$10,000,000 or more	43	5	10 453	(D)	2	—	(D)	41	5	10 453	(D)	(W)	—
\$5,000,000 to \$9,999,999	94	6	5 475	4 884 583	5	5	272 739	89	1	5 475	1 611 844	(W)	(W)
\$2,500,000 to \$4,999,999	192	28	7 481	660 061	10	13	33 158	182	15	7 481	626 903	(W)	(W)
\$1,000,000 to \$2,499,999	593	120	11 089	884 356	72	63	101 240	521	57	11 089	783 116	2	3
\$500,000 to \$999,999	1 017	331	9 592	698 930	207	170	139 211	810	161	9 592	559 719	5	5
\$250,000 to \$499,999	1 438	658	7 668	501 591	404	369	139 368	1 034	289	7 668	362 223	6	5
\$100,000 to \$249,999	3 291	2 247	7 435	512 696	1 407	1 386	213 568	1 884	861	7 435	299 128	4	5
\$50,000 to \$99,999	3 338	2 774	2 345	233 790	2 318	2 354	160 604	1 020	420	2 345	73 186	7	6
\$25,000 to \$49,999	4 194	3 844	973	147 769	3 605	3 598	125 833	589	246	973	21 936	8	8
Less than \$25,000	18 033	17 563	1 093	152 231	17 123	17 097	141 381	910	466	1 093	10 850	7	7
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	6 225	6 230	98 394	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	4 262	4 265	28 845	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	3 977	3 969	11 483	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	2 659	2 633	2 659	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	24 132	21 990	51 848	2 898 862	17 162	17 316	430 129	6 970	4 674	51 848	2 468 733	1	1
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	53	6	8 777	659 144	—	—	—	53	6	8 777	659 144	(W)	(W)
\$2,500,000 to \$4,999,999	88	11	4 714	296 168	5	4	14 430	83	7	4 714	281 738	(W)	(W)
\$1,000,000 to \$2,499,999	339	78	8 281	503 730	28	30	36 948	311	48	8 281	466 782	2	3
\$500,000 to \$999,999	649	267	7 580	448 138	89	84	58 397	560	183	7 580	389 741	3	4
\$250,000 to \$499,999	916	475	6 793	317 806	170	149	60 117	746	326	6 793	257 689	4	5
\$100,000 to \$249,999	2 089	1 573	7 912	320 125	390	394	59 766	1 699	1 179	7 912	260 359	6	5
\$50,000 to \$99,999	2 034	1 856	4 282	143 114	655	688	44 843	1 379	1 168	4 282	98 271	7	7
\$25,000 to \$49,999	2 752	2 646	2 270	96 731	1 590	1 655	54 071	1 162	991	2 270	42 660	10	8
Less than \$25,000	15 213	15 078	(S)	113 906	14 235	14 312	101 557	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999	4 678	4 584	827	71 765	4 090	4 126	61 511	588	458	827	10 254	17	13
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	3 972	3 989	26 758	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	3 999	4 014	11 641	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	2 174	2 183	1 647	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction Industries and subdividers and developers -----	7 081	63 606	52 980	1 065 202	831 850	86 843	4 236 025	3 332 003
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	858	4 550	3 815	53 058	39 735	5 482	281 087	199 259
1522	Other residential buildings -----	83	442	361	7 341	5 144	623	48 292	23 514
1531	Operative builders -----	303	1 551	907	24 436	11 156	1 523	1184 604	119 155
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	99	1 253	992	20 954	15 926	1 684	122 244	73 502
1542	Nonresidential buildings, n.e.c. -----	387	7 156	5 783	129 911	92 094	9 623	893 096	418 291
16	Heavy construction general contractors:								
1611	Highway and street construction -----	152	3 142	2 702	50 096	40 087	5 023	258 753	234 159
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	17	463	399	8 480	6 477	787	34 022	30 045
1623	Water, sewer, and utility lines -----	266	5 639	4 870	96 010	82 017	8 153	272 918	245 023
1629	Heavy construction, n.e.c. -----	211	4 841	4 018	112 538	92 567	8 396	297 028	264 208
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 015	6 837	5 463	121 564	93 825	8 950	440 469	399 648
1721	Painting, paper hanging, and decorating -----	360	1 746	1 596	21 579	18 654	2 262	60 477	56 341
1731	Electrical work -----	620	5 778	4 813	103 453	81 144	8 093	298 240	291 768
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	246	1 375	1 265	19 095	17 045	1 755	46 337	45 094
1742	Plastering, drywall, and insulation work -----	224	3 188	2 758	67 951	57 397	4 319	202 510	192 261
1743	Terrazzo, tile, marble, and mosaic work -----	49	228	189	4 002	2 926	255	13 442	12 788
175	Carpentering and flooring:								
1751	Carpentering -----	462	2 292	2 106	24 637	20 503	2 935	80 439	68 208
1752	Floor laying and other floorwork -----	54	284	226	4 453	3 496	279	17 533	15 880
1761	Roofing and sheet metal work -----	234	2 569	2 235	36 534	29 467	3 158	129 485	125 006
1771	Concrete work -----	307	2 135	1 963	25 821	22 049	3 116	91 421	85 743
1781	Water well drilling -----	66	371	311	5 388	4 257	568	22 066	21 437
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	84	1 080	929	21 232	16 774	1 327	59 919	54 098
1793	Glass and glazing work -----	44	420	343	8 161	5 854	496	28 009	27 870
1794	Excavating and foundation work -----	383	2 611	2 133	42 458	33 684	3 786	159 054	147 961
1795	Wrecking and demolition work -----	22	130	111	1 489	1 095	199	6 487	6 242
1796	Installing building equipment, n.e.c. -----	47	688	588	15 802	12 490	1 021	52 788	52 120
1799	Special trade contractors, n.e.c. -----	399	2 508	2 018	34 319	25 288	2 876	119 979	110 956
6552	Subdividers and developers, n.e.c. -----	87	323	82	4 438	696	140	115 323	11 423

†Land receipts for SIC 1531 were \$ 22,756 ; for SIC 6552 were \$9,688.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 038 342	1 374 098	904 021	64 361	98 930	866 863	51 848	2 366 954	1 097 580	1	1	3	15,16, 17
												15
109 520	97 799	81 828	2 633	4 928	35 358	4 665	219 094	70 448	5	5	9	152
10 868	13 076	24 778	461	303	3 532	582	64 481	21 661	12	10	5	1521
												1522
55 762	64 864	65 449	716	2 958	40 393	1 690	142 681	32 295	9	7	12	1531
32 820	41 066	48 742	2 005	1 164	11 127	1 540	104 324	32 585	8	6	5	154
252 851	170 533	474 804	4 635	7 177	77 498	4 269	368 559	102 679	3	2	4	1541
												1542
												16
125 878	116 482	24 594	10 022	9 566	133 458	2 979	159 692	67 539	4	3	3	1611
18 394	(D)	3 977	523	1 073	9 591	1 506	35 143	12 311	(W)	(W)	(W)	162
170 602	77 131	27 895	12 843	16 291	106 990	4 791	198 904	154 994	2	2	2	1622
180 692	88 742	32 820	6 401	8 663	65 937	2 412	143 689	76 316	2	2	2	1623
												1629
												17
217 786	189 501	40 821	4 618	6 596	65 880	5 846	257 501	121 609	4	3	9	1711
39 817	16 572	4 136	778	1 899	11 574	1 822	40 624	29 378	8	8	12	1721
175 874	124 960	6 472	2 608	7 328	45 650	4 404	152 206	84 683	4	3	7	1731
29 993	15 152	1 243	468	703	7 757	2 352	49 429	35 363	10	10	12	174
129 262	67 858	10 249	2 073	3 343	14 981	2 243	71 021	44 899	5	3	7	1741
6 825	6 040	654	74	306	894	219	6 839	4 165	16	13	31	1742
												1743
45 332	23 902	12 231	623	1 662	9 316	1 629	46 172	22 596	9	8	16	175
8 119	8 297	1 653	122	323	2 169	502	15 085	8 438	19	13	23	1751
												1752
69 604	58 129	4 479	1 335	2 029	18 040	1 646	60 357	33 520	6	6	10	1761
48 694	38 638	5 677	1 121	1 854	24 716	1 131	25 918	14 629	8	9	10	1771
14 716	8 146	*628	169	1 785	9 875	202	8 268	4 538	21	20	38	1781
40 668	16 236	5 821	941	3 025	19 195	729	25 239	16 445	9	6	13	179
14 798	14 365	139	469	207	2 859	256	9 899	4 962	17	12	9	1791
114 928	36 638	11 093	5 862	9 374	104 647	1 393	58 156	41 486	7	6	6	1793
5 522	883	245	365	760	3 935	50	1 488	1 380	13	21	10	1794
36 398	17 057	668	557	(D)	6 729	401	17 654	10 503	6	5	-	1795
72 823	(D)	9 023	1 886	(D)	27 113	2 266	71 505	41 668	6	5	-	1796
												1799
9 787	2 967	3 900	45	383	7 639	323	13 031	6 496	12	13	9	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	7 081	6 970	6 337	5 097	2	3	3	3
Number of establishments in business at end of year	6 872	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners	2 522	4 674	4 612	4 343	4	5	5	5
All employees**	63 606	51 848	52 122	39 420	1	1	2	1
Construction workers:								
March	51 657	41 269	41 160	31 975	1	2	2	2
May	52 875	46 466	45 547	33 552	1	2	3	2
August	54 038	46 740	50 371	37 833	1	2	3	2
November	51 014	42 940	42 425	34 216	2	2	2	2
Average	52 980	44 393	45 432	34 739	1	1	2	2
Other employees:								
March	10 379	7 260	6 529	4 479	2	2	3	3
Construction worker hours (thousands):								
January to March	20 226	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June	22 224	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September	22 963	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December	21 428	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked	86 843	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees	1 065 202	579 070	392 205	223 270	1	1	2	1
Payroll, construction workers	831 850	462 678	322 152	187 478	1	1	2	1
Payroll, other employees	233 352	116 392	70 053	35 873	1	1	3	2
First quarter payroll, all employees	241 577	126 530	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits	185 664	95 904	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures	139 651	66 839	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures	46 012	29 066	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts	4 348 906	2 468 733	1 651 297	900 606	1	1	2	2
Total construction receipts	4 236 025	2 366 954	1 603 964	876 152	1	1	2	2
Receipts for work subcontracted in from others	1 017 740	567 849	328 659	135 141	2	2	5	12
Land receipts ¹	32 444	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts	80 437	101 779	47 333	24 447	3	3	11	6
Net construction receipts†	3 332 003	1 904 216	1 227 146	698 238	1	1	3	2
Value added††	2 038 342	1 097 580	688 870	393 005	1	1	2	2
Selected payments	2 278 119	1 348 946	947 367	501 162	1	2	3	2
Materials, components, and supplies ²	1 276 934	835 823	570 549	321 563	1	1	3	2
Construction work subcontracted to others	904 021	462 738	376 818	177 945	1	3	2	3
Selected power, fuels, and lubricants	97 164	50 385	(NA)	(NA)	2	2	(NA)	(NA)
Electricity	9 925	6 360	(NA)	(NA)	2	3	(NA)	(NA)
Natural gas	4 223	3 384	(NA)	(NA)	2	7	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	76 197	35 310	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases	6 818	5 331	(NA)	(NA)	4	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	2 295	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	64 361	30 995	(NA)	(NA)	2	2	(NA)	(NA)
For machinery and equipment	50 194	25 722	22 335	12 077	2	2	9	6
For structures	14 167	5 273	(NA)	(NA)	3	3	(NA)	(NA)
Selected purchased services	84 195	51 843	(NA)	(NA)	2	2	(NA)	(NA)
Communication services	17 795	10 583	(NA)	(NA)	2	3	(NA)	(NA)
Repairs to structures and related facilities	4 596	2 275	(NA)	(NA)	5	8	(NA)	(NA)
Repairs to machinery and equipment	61 804	38 985	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	4 236 025	2 366 954	1 603 964	876 152	1	1	2	2
Government owned	615 375	516 807	546 711	304 216	5	1	3	4
Privately owned	3 620 649	1 850 147	1 057 253	571 936	1	1	3	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	820 182	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	98 930	103 114	43 705	24 392	3	5	5	5
New -----	73 717	79 217	32 786	18 565	3	6	6	4
Used -----	25 212	23 897	10 919	5 827	4	5	9	14
Retirements and disposition of depreciable assets -----	52 248	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	866 863	483 469	268 653	(NA)	2	2	3	(NA)
Depreciation charges during year -----	119 864	48 845	31 629	(NA)	2	2	5	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	153 867	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	14 029	23 892	9 194	2 971	7	21	13	22
New structures and related facilities -----	10 771	19 237	5 938	1 660	8	22	19	12
Used structures and related facilities -----	3 258	4 655	3 256	1 311	22	20	8	33
Retirements and disposition of depreciable assets -----	26 533	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	141 364	102 268	37 831	(NA)	7	5	6	(NA)
Depreciation charges during year -----	13 090	5 124	2 851	(NA)	4	7	14	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	666 314	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	84 900	79 222	34 511	21 421	3	3	8	8
New machinery and equipment, including automobiles and trucks -----	62 945	59 980	26 848	16 905	3	3	5	3
New automobiles and trucks, intended primarily for highway use -----	26 163	22 664	(NA)	(NA)	4	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	21 954	19 242	7 663	4 516	4	4	12	13
Retirements and disposition of depreciable assets -----	25 715	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	725 499	381 201	230 822	(NA)	2	2	4	(NA)
Depreciation charges during year -----	106 774	43 721	28 778	(NA)	2	2	6	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	7 081	2
Total construction receipts	4 236 025	1
Establishments with inventories:		
Number	1 383	10
Total construction receipts	1 320 141	2
Inventories¹:		
End of 1982, total	61 007	9
Value for establishments with LIFO reserve	1 920	29
Amount of LIFO reserve	*978	46
Value for establishments with no LIFO reserve	59 087	9
End of 1981, total	68 085	9
Value for establishments with LIFO reserve	*2 859	49
Amount of LIFO reserve	*659	43
Value for establishments with no LIFO reserve	65 226	8
Establishments with no inventories:		
Number	5 698	2
Total construction receipts	2 915 884	1

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	7 081	4 076	1 486	890	460	123	32	9	4	1
All employees**	63 606	8 102	9 640	11 953	13 618	8 043	4 758	2 910	4 582	(D)
Payroll, all employees	1 065 202	85 062	129 078	183 770	244 552	156 329	91 321	77 219	97 870	(D)
Construction worker hours (thousands)	86 843	10 186	12 188	15 693	18 736	11 509	6 512	4 917	7 098	(D)
All business receipts	4 348 906	469 534	575 476	766 522	1 600 633	(D)	936 741	(D)	(D)	(D)
Total construction receipts	4 236 025	451 236	558 604	739 191	942 471	622 145	284 473	258 567	379 336	(D)
Net construction receipts†	3 332 003	374 018	462 079	615 356	764 459	479 697	226 888	409 505	(D)	(D)
Value added††	2 038 342	222 966	266 145	358 819	443 738	300 509	144 378	100 783	201 003	(D)
Payments for materials, components, supplies, and fuels	1 374 098	158 517	207 563	272 678	339 661	191 083	153 487	(D)	51 107	(D)
Payments for construction work subcontracted to others	904 021	77 218	96 525	123 835	178 012	142 448	57 585	228 398	(D)	(D)
Rental payments for machinery, equipment, and structures	64 361	6 822	5 965	9 619	14 252	10 854	5 113	4 813	6 921	(D)
Capital expenditures, other than land	98 930	10 559	14 543	19 760	20 386	15 956	6 155	6 476	5 093	(D)
End-of-year gross book value of depreciable assets	866 863	117 453	137 846	166 576	179 319	123 373	67 006	25 103	50 185	(D)
1977										
All employees**	51 848	8 935	8 888	9 630	10 465	5 855	2 471	3 190	2 413	(D)
Total construction receipts	2 366 954	368 047	352 071	389 981	527 099	298 743	431 014	(D)	(D)	(D)
Value added††	1 097 580	156 274	156 613	183 474	232 945	138 127	230 147	(D)	(D)	(D)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	3	5	4	2	(W)	(W)	(W)	(W)	—
Net construction receipts†	1	4	4	3	1	(W)	(W)	(W)	(W)	—
Capital expenditures, other than land	3	9	10	9	4	(W)	(W)	(W)	(W)	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	7 081	910	589	1 020	1 884	1 034	810	521	182	89	41
All employees** -----	63 606	1 093	973	2 345	7 435	7 668	9 592	11 089	7 481	5 475	10 453
Payroll, all employees -----	1 065 202	3 191	6 054	19 670	77 489	99 036	145 290	197 840	148 910	113 028	254 692
Construction worker hours (thousands) -----	86 843	998	1 025	2 862	9 187	9 520	12 748	14 755	10 914	7 667	17 162
All business receipts -----	4 348 906	10 850	21 936	73 186	299 128	362 223	559 719	783 116	626 903	1 611 844 (D)	
Total construction receipts -----	4 236 025	10 567	21 460	71 467	291 187	352 616	544 463	758 485	607 499	585 618	992 661
Net construction receipts† -----	3 332 003	9 337	18 955	63 612	257 880	310 875	473 567	631 642	502 317	426 738	637 079
Value added†† -----	2 038 342	5 905	11 656	40 259	157 626	186 978	282 091	368 743	295 982	245 211	443 889
Payments for materials, components, supplies, and fuels -----	1 374 098	3 591	7 550	24 322	104 913	130 374	203 105	280 492	221 356	194 918	203 473
Payments for construction work subcontracted to others -----	904 021	1 230	2 505	7 855	33 306	41 741	70 896	126 843	105 182	158 880	355 582
Rental payments for machinery, equipment, and structures -----	64 361	138	271	914	4 063	4 990	7 538	12 699	7 737	9 323	16 684
Capital expenditures, other than land -----	98 930	64	329	1 834	7 843	10 209	17 488	18 272	12 361	11 859	18 667
End-of-year gross book value of depreciable assets -----	866 863	3 932	6 747	17 117	85 360	93 580	133 256	181 856	109 505	89 374	146 135
1977											
All employees** -----	51 848	(S)	2 270	4 282	7 912	6 793	7 580	8 281	4 714	18 777	(NA)
Total construction receipts -----	2 366 954	(S)	42 022	96 820	253 493	250 650	378 055	448 817	271 471	1 613 480	(NA)
Value added†† -----	1 097 580	(S)	23 666	54 188	124 648	117 685	167 111	191 712	111 105	300 418	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	7	8	7	4	6	5	2	(W)	(W)	(W)
Net construction receipts† -----	1	7	7	5	4	6	5	3	(W)	(W)	(W)
Capital expenditures, other than land -----	3	38	30	16	10	10	11	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	4 236 025	3 483 092	752 932	1	1	2
Building construction	2 732 241	2 355 805	376 436	1	1	2
Single-family houses	742 400	613 104	129 295	3	3	4
Single-family houses, detached	653 973	538 177	115 795	3	4	4
Single-family houses, attached	88 426	74 926	13 500	6	7	10
Apartment buildings with two or more apartments	144 944	129 050	15 894	5	5	9
Other residential buildings	42 844	36 455	6 389	7	8	7
Office and bank buildings	615 913	546 638	69 274	1	1	3
Office buildings	553 294	498 491	54 803	1	1	3
Bank buildings and other financial institutions	62 618	48 147	14 471	3	4	5
Farm buildings	24 782	21 241	3 540	18	15	13
Industrial buildings and warehouses	421 826	359 052	62 773	2	2	5
Industrial buildings	323 683	270 345	53 337	3	2	6
Warehouses	98 143	88 707	9 436	3	3	7
Stores, restaurants, public garages, and automobile service stations	245 895	208 237	37 658	4	4	8
Religious buildings	63 313	53 320	9 992	4	4	8
Educational buildings	163 741	144 539	19 201	3	3	5
Hospitals and institutional buildings	198 418	183 736	14 681	2	2	3
Amusement, social, and recreational buildings	41 441	39 848	1 593	5	5	9
Other nonresidential buildings	26 724	20 585	6 146	8	8	14
Nonbuilding construction	1 079 375	776 645	302 730	2	2	3
Highways, streets, and related facilities	273 103	203 301	69 802	4	4	8
Bridges, tunnels, and elevated highways	31 942	27 130	4 811	4	3	15
Power and communication transmission lines, towers, and related facilities	72 684	63 010	9 674	6	7	10
Sewers, water mains, and related facilities	104 948	91 945	13 002	5	5	15
Sewers, sewer lines, and related facilities	48 543	43 568	4 975	7	7	11
Water mains and related facilities	56 405	48 377	8 027	8	7	25
Pipeline, other than sewer or water lines	146 108	115 370	30 738	2	1	5
Sewage treatment and water treatment plants	36 448	33 445	3 003	12	9	15
Sewage treatment plants	17 497	15 407	2 089	18	21	14
Water treatment plants	18 951	18 038	913	11	10	35
Heavy industrial facilities	216 361	106 703	109 658	1	2	1
Oilfields	108 284	67 141	41 143	7	8	11
Other nonbuilding construction	89 497	68 600	20 899	7	8	8
Construction work, n.s.k.	424 407	350 642	73 765	3	3	4
1977						
Total construction receipts†	2 366 954	1 944 003	422 951	1	1	2
Building construction	1 509 644	1 275 048	234 596	2	2	4
Single-family houses	536 293	429 880	106 413	4	4	7
Apartment buildings with two or more apartments	94 946	86 840	8 106	3	4	6
Other residential buildings	14 749	10 749	4 000	7	9	8
Office and bank buildings	159 968	134 367	25 601	3	3	5
Industrial buildings and warehouses	251 654	216 486	35 168	2	2	5
Stores, restaurants, public garages, and automobile service stations	101 173	75 745	25 428	5	6	8
Religious buildings	28 363	23 646	4 717	7	8	7
Educational buildings	123 447	116 284	7 163	2	2	6
Hospitals and institutional buildings	143 940	137 275	6 665	1	1	5
Amusement, social, and recreational buildings	26 699	24 622	2 077	5	6	6
Other nonresidential buildings	28 413	19 154	9 259	13	7	37
Nonbuilding construction	714 561	547 854	166 707	1	1	2
Highways, streets, and related facilities	164 466	136 523	27 943	2	2	4
Bridges, tunnels, and elevated highways	28 606	23 156	5 450	2	3	1
Power and communication transmission lines, towers, and related facilities	40 850	33 313	7 537	4	4	10
Sewers, water mains, and related facilities	110 811	63 239	47 572	4	6	2
Pipeline, other than sewer or water lines	73 182	59 741	13 441	2	2	6
Sewage treatment and water treatment plants	21 127	19 846	1 281	8	7	25
Heavy industrial facilities	147 483	118 638	28 845	(W)	(W)	1
Other nonbuilding construction	128 036	93 398	34 638	5	5	10
Construction work, n.s.k.	142 771	120 956	21 815	5	6	6

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers -----	7 081	52 980	86 843	51 657	20 226	52 875	22 224
15,16, 17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses -----	858	3 815	5 482	4 460	1 376	3 615	1 400
1522	Other residential buildings -----	83	361	623	468	177	353	166
1531	Operative builders -----	303	907	1 523	831	348	976	389
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	99	992	1 684	1 104	463	942	401
1542	Nonresidential buildings, n.e.c. -----	387	5 783	9 623	5 681	2 245	5 772	2 468
16	Heavy construction general contractors:							
1611	Highway and street construction -----	152	2 702	5 023	2 485	1 046	2 689	1 270
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	17	399	787	385	186	399	186
1623	Water, sewer, and utility lines -----	266	4 870	8 153	3 797	1 586	4 370	1 886
1629	Heavy construction, n.e.c. -----	211	4 018	8 396	4 022	1 984	4 591	2 497
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	1 015	5 463	8 950	5 274	2 154	5 492	2 309
1721	Painting, paper hanging, and decorating ----	360	1 596	2 262	1 543	505	1 572	564
1731	Electrical work -----	620	4 813	8 093	4 527	1 882	4 761	1 994
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	246	1 265	1 755	1 184	393	1 207	430
1742	Plastering, drywall, and insulation work ----	224	2 758	4 319	2 628	1 019	2 846	1 142
1743	Terrazzo, tile, marble, and mosaic work ----	49	189	255	186	64	191	67
175	Carpentering and flooring:							
1751	Carpentering -----	462	2 106	2 935	2 091	676	2 059	713
1752	Floor laying and other floorwork-----	54	226	279	235	67	225	70
1761	Roofing and sheet metal work -----	234	2 235	3 158	2 182	709	2 260	785
1771	Concrete work -----	307	1 963	3 116	1 921	700	1 870	768
1781	Water well drilling -----	66	311	568	315	145	275	130
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	84	929	1 327	897	322	948	345
1793	Glass and glazing work -----	44	343	496	335	119	321	125
1794	Excavating and foundation work -----	383	2 133	3 786	2 247	1 007	2 223	986
1795	Wrecking and demolition work -----	22	111	199	125	48	99	49
1796	Installing building equipment, n.e.c. -----	47	588	1 021	618	267	574	258
1799	Special trade contractors, n.e.c. -----	374	2 018	2 876	2 035	634	2 174	780
6552	Subdividers and developers, n.e.c. -----	34	34	140	76	34	66	31

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
54 038	22 963	51 014	21 428	1	1	1	1	1	1	1	1	2	1	15,16, 17
														15
3 575 311	1 400 138	3 382 302	1 304 141	5 14	6 14	5 26	7 23	5 17	7 23	6 7	7 11	6 7	7 10	152 1521 1522
942	414	820	371	11	10	14	14	11	12	11	11	13	13	1531
960 6 028	418 2 570	905 5 488	400 2 339	8 3	6 2	11 3	9 3	8 3	7 2	9 3	7 3	8 3	7 3	154 1541 1542
														16
2 924	1 470	2 637	1 235	4	3	4	3	4	3	4	3	4	3	1611
														162
393 5 545 4 094	198 2 393 2 149	417 5 702 3 324	215 2 286 1 765	(W) 2 2	(W) 2 1	(W) 3 2	(W) 3 2	(W) 2 2	(W) 2 2	(W) 2 2	(W) 2 2	(W) 2 3	(W) 2 3	1622 2 1623 1629
														17
5 600	2 342	5 074	2 144	4	4	4	5	4	5	4	5	4	5	1711
1 629	618	1 526	573	8	9	10	11	10	11	9	10	9	11	1721
4 627	1 990	5 104	2 226	4	4	4	4	4	5	4	4	7	8	1731
														174
1 431 2 839 180	521 1 087 63	1 154 2 632 178	410 1 071 60	10 5 17	11 4 17	11 5 19	12 5 24	9 6 19	12 5 24	13 6 16	14 5 24	12 5 19	13 5 26	1741 1742 1743
2 147 231	792 74	1 998 202	752 66	9 20	10 15	10 20	12 22	10 21	11 19	10 21	11 18	10 18	11 19	175 1751 1752
2 360	894	2 076	769	5	5	5	6	7	6	6	6	5	6	1761
1 915	800	2 052	846	8	9	9	10	8	10	8	10	9	10	1771
373	167	250	123	23	22	21	24	18	22	32	28	24	27	1781
														179
836 319 2 132 94 545 1 919	303 118 973 51 238 734	1 007 354 1 812 124 595 1 797	355 133 818 51 256 667	9 20 8 13 6 6	8 16 7 25 4 6	7 18 9 9 5 8	9 19 7 17 3 8	7 18 8 17 8 7	8 18 8 35 5 8	8 21 8 14 7 6	9 20 8 28 6 8	16 21 7 15 4 7	14 20 8 34 5 8	1791 1793 1794 1795 1796 1799
83	35	94	38	16	18	16	29	12	28	16	29	18	30	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers -----	9.0	16.7	1.6	80.0	.251	.324	.213	.023	.015
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses -----	5.3	11.7	1.4	73.7	.189	.348	.291	.018	.009
1522	Other residential buildings -----	5.3	16.6	1.7	133.8	.152	.271	.513	.006	.010
1531	Operative builders -----	5.1	15.8	1.7	203.5	.132	.351	.355	.016	.004
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	12.7	16.7	1.7	123.2	.171	.336	.399	.010	.016
1542	Nonresidential buildings, n.e.c. -----	18.5	18.2	1.7	154.4	.145	.191	.532	.008	.005
16	Heavy construction general contractors:									
1611	Highway and street construction -----	20.7	15.9	1.9	95.8	.194	.450	.095	.037	.039
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	27.2	18.3	2.0	85.3	.249	(D)	.117	.032	.015
1623	Water, sewer, and utility lines -----	21.2	17.0	1.7	56.0	.352	.283	.102	.060	.047
1629	Heavy construction, n.e.c. -----	22.9	23.2	2.1	73.9	.379	.299	.110	.029	.022
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning -----	6.7	17.8	1.6	80.6	.276	.430	.093	.015	.010
1721	Painting, paper hanging, and decorating -----	4.8	12.4	1.4	37.9	.357	.274	.068	.031	.013
1731	Electrical work -----	9.3	17.9	1.7	62.0	.347	.419	.022	.025	.009
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	5.6	13.9	1.4	36.6	.412	.327	.027	.015	.010
1742	Plastering, drywall, and insulation work -----	14.2	21.3	1.6	73.4	.336	.335	.051	.017	.010
1743	Terrazzo, tile, marble, and mosaic work -----	4.7	17.6	1.3	71.1	.298	.449	.049	.023	.006
175	Carpentering and flooring:									
1751	Carpentering -----	5.0	10.7	1.4	38.2	.306	.297	.152	.021	.008
1752	Floor laying and other floorwork -----	5.3	15.7	1.2	77.6	.254	.473	.094	.018	.007
1761	Roofing and sheet metal work -----	11.0	14.2	1.4	57.9	.282	.449	.035	.016	.010
1771	Concrete work -----	7.0	12.1	1.6	46.6	.282	.423	.062	.020	.012
1781	Water well drilling -----	5.6	14.5	1.8	71.0	.244	.369	*.028	.081	.008
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	12.9	19.7	1.4	64.5	.354	.271	.097	.050	.016
1793	Glass and glazing work -----	9.5	19.4	1.4	81.7	.291	.513	.005	.007	.017
1794	Excavating and foundation work -----	6.8	16.3	1.8	74.6	.267	.230	.070	.059	.037
1795	Wrecking and demolition work -----	5.9	11.5	1.8	58.4	.230	.136	.038	.117	.056
1796	Installing building equipment, n.e.c. -----	14.6	23.0	1.7	89.8	.299	.323	.013	(D)	.011
1799	Special trade contractors, n.e.c. -----	6.3	13.7	1.4	59.5	.286	(D)	.075	(D)	.016
6552	Subdividers and developers, n.e.c. -----	3.7	13.7	1.7	186.9	.290	.194	.255	.025	.003

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	OKLAHOMA CITY SMSA											
	Construction industries and subdividers and developers	2 341	23 442	398 460	1 641 628	1 293 972	746 204	582 052	347 656	32 417	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	247	1 403	16 566	100 285	69 056	37 396	33 588	31 229	1 825	7	8
1522	Other residential buildings	24	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1531	Operative builders	141	679	11 046	94 487	57 974	19 455	39 131	36 514	1 481	11	12
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	44	530	7 434	41 269	22 858	10 556	(D)	18 411	511	15	10
1542	Nonresidential buildings, n.e.c.	131	2 672	46 818	321 835	146 946	71 879	76 093	174 890	2 785	4	3
16	Heavy construction general contractors:											
1611	Highway and street construction	65	1 428	25 514	115 960	108 004	52 063	60 861	7 956	4 695	4	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	6	189	3 556	15 478	13 930	9 685	(D)	1 548	(D)	(W)	(W)
1623	Water, sewer, and utility lines	74	958	14 019	55 395	48 797	29 786	19 895	6 598	1 884	8	9
1629	Heavy construction, n.e.c.	27	680	14 951	52 334	45 359	25 283	21 943	6 976	250	2	2
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	349	2 870	50 065	183 042	163 131	87 871	77 847	19 912	2 740	7	5
1721	Painting, paper hanging, and decorating	131	827	9 717	27 436	25 688	17 747	7 960	1 748	576	12	10
1731	Electrical work	184	2 405	47 494	131 073	127 433	78 694	54 426	3 640	2 426	6	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	83	596	9 383	21 144	20 778	13 723	7 096	366	376	12	10
1742	Plastering, drywall, and insulation work	80	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1743	Terrazzo, tile, marble, and mosaic work	26	114	2 314	7 106	6 762	3 660	3 120	*344	*276	21	21
175	Carpentering and flooring:											
1751	Carpentering	202	1 213	14 501	46 046	37 298	24 898	13 363	8 748	920	14	15
1752	Floor laying and other floorwork	22	171	3 023	11 707	(D)	(D)	6 171	(D)	*158	26	-
1761	Roofing and sheet metal work	50	1 127	18 324	56 829	55 439	30 449	27 063	1 390	828	6	6
1771	Concrete work	91	630	8 257	31 564	30 057	16 194	13 957	1 507	378	14	21
1781	Water well drilling	*19	(D)	(D)	*5 513	*5 474	*3 563	*1 922	*40	(S)	-	48
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	32	590	11 739	30 680	27 192	23 213	(D)	3 488	2 270	13	9
1793	Glass and glazing work	19	211	4 630	14 875	14 840	7 606	(D)	35	98	21	18
1794	Excavating and foundation work	97	748	12 115	45 863	42 413	32 695	10 269	3 450	1 538	11	11
1795	Wrecking and demolition work	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	13	274	6 471	24 433	24 395	17 036	(D)	38	(D)	(W)	(W)
1799	Special trade contractors, n.e.c.	145	1 069	15 991	55 597	51 161	34 446	22 658	4 436	1 107	8	9
6552	Subdividers and developers, n.e.c.	38	195	2 698	10 854	8 050	6 948	2 037	2 804	270	16	18
	TULSA SMSA											
	Construction industries and subdividers and developers	1 717	19 092	349 455	1 273 567	1 011 109	626 513	409 119	262 458	27 237	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	220	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	16	123	2 309	15 956	8 956	4 790	4 233	7 000	90	(W)	(W)
1531	Operative builders	83	363	5 973	60 147	39 715	27 556	12 920	20 433	420	12	11
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	18	437	8 410	51 564	31 576	14 732	16 899	19 988	416	2	1
1542	Nonresidential buildings, n.e.c.	105	1 990	39 615	235 210	104 801	56 905	49 998	130 409	2 075	5	4

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	TULSA SMSA—Con.											
15,16, 17	Construction Industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction -----	23	605	8 934	44 521	40 836	20 563	22 616	3 685	420	16	13
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction-----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	49	3 031	52 717	130 741	115 989	81 907	35 307	14 752	6 639	2	3
1629	Heavy construction, n.e.c. -----	44	1 927	49 765	136 300	123 526	85 240	39 240	12 774	6 247	2	1
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning-----	239	1 982	42 395	148 290	133 960	74 642	61 279	14 330	1 745	5	5
1721	Painting, paper hanging, and decorating -----	108	512	7 810	20 275	18 424	12 816	5 614	1 851	814	15	14
1731	Electrical work -----	188	1 826	30 495	90 218	88 311	49 613	40 816	1 907	1 686	9	8
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	61	330	4 739	12 804	12 526	7 808	4 718	278	138	19	16
1742	Plastering, drywall, and insulation work -----	70	1 059	24 552	58 891	54 985	38 066	(D)	3 906	859	4	4
1743	Terrazzo, tile, marble, and mosaic work -----	*16	105	1 580	(D)	5 365	2 655	2 753	(D)	(S)	27	19
175	Carpentering and flooring:											
1751	Carpentering -----	85	339	4 085	13 139	11 661	7 892	3 777	1 478	231	16	17
1752	Floor laying and other floorwork-----	18	*76	*920	3 749	3 034	2 033	1 001	*715	*166	59	33
1761	Roofing and sheet metal work -----	84	913	12 697	46 400	44 851	25 912	19 439	1 549	638	9	7
1771	Concrete work -----	64	623	8 645	28 685	25 997	15 542	(D)	2 688	737	10	8
1781	Water well drilling -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	19	217	4 116	12 590	12 055	7 440	4 832	535	299	15	6
1793	Glass and glazing work -----	*9	*99	1 929	6 573	6 494	4 068	3 507	79	(D)	45	22
1794	Excavating and foundation work-----	76	353	5 049	22 535	20 526	15 712	4 858	2 009	648	22	22
1795	Wrecking and demolition work -----	9	74	880	3 497	*3 400	3 003	475	*97	544	23	42
1796	Installing building equipment, n.e.c. -	18	302	7 585	22 950	22 548	15 511	(D)	402	(D)	1	(W)
1799	Special trade contractors, n.e.c. ----	77	626	9 222	30 451	27 922	17 981	12 132	2 529	779	10	8
6552	Subdividers and developers, n.e.c. ---	18	27	*339	*1 077	*829	*709	195	248	*77	23	54

Texas

CONTENTS

(Page numbers listed here omit the prefix that appears as part of the number of each page)

	Page
Summary of Findings	3

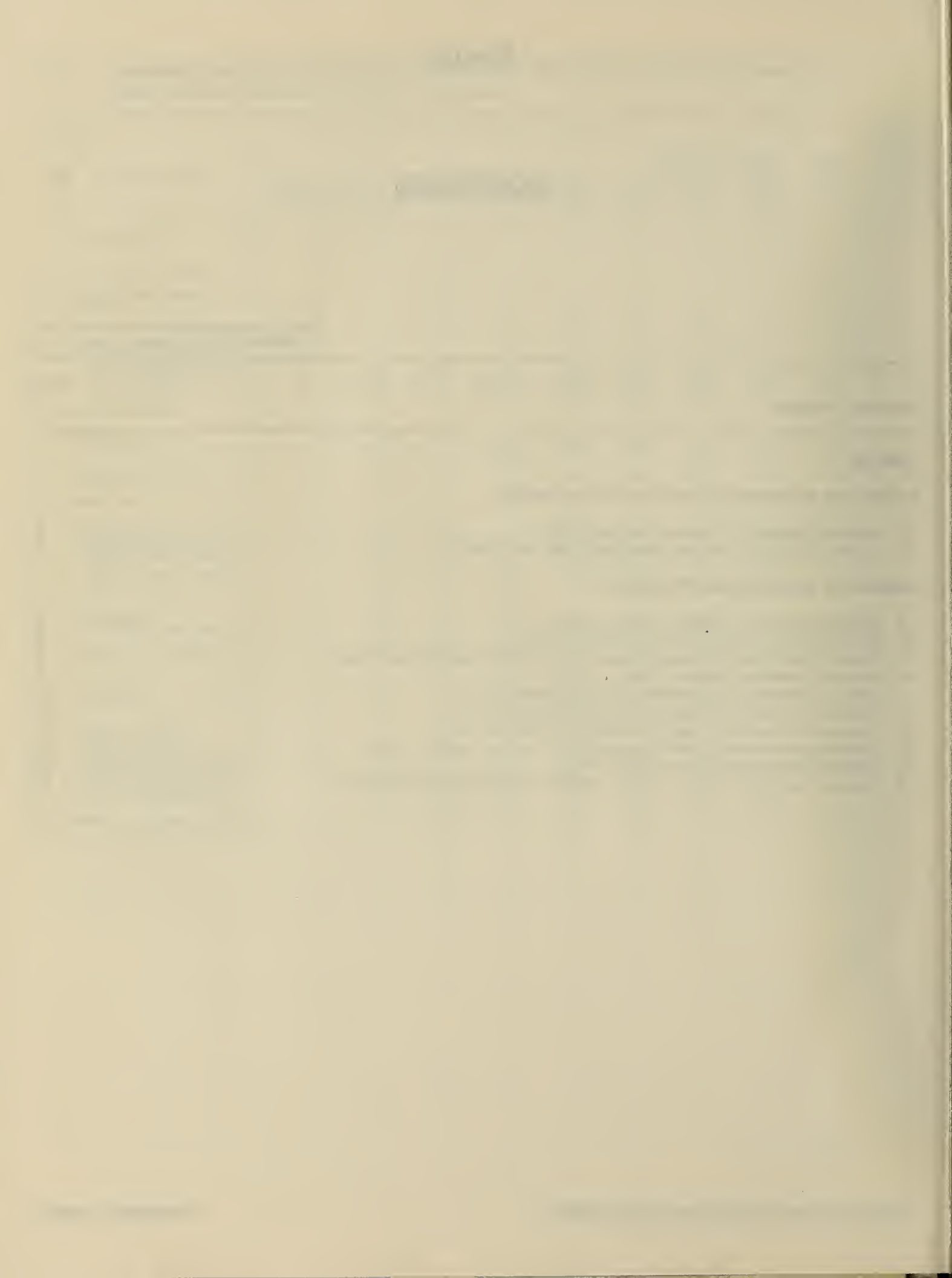
TABLES

Statistics for Establishments With and Without Payroll

1. Summary Statistics by Industry: 1982 and 1977	4
2. Summary Statistics by Receipts Size Class: 1982 and 1977	5

Statistics for Establishments With Payroll

3. General Statistics by Industry: 1982 and 1977	6
4. Detailed Statistics: 1982 and Earlier Census Years	8
5. Assets, Capital Expenditures, and Depreciation: 1982 and Earlier Census Years	9
6. Value of Inventories: 1982 and 1981	9
7. Selected Statistics by Employment Size Class: 1982 and 1977	10
8. Selected Statistics by Receipts Size Class: 1982 and 1977	10
9. Construction Receipts by Type of Construction: 1982 and 1977	11
10. Quarterly Construction Worker Hours and Employment by Industry: 1982	12
11. Selected Industry Ratios in This State: 1982	14
12. Selected Statistics for Selected Standard Metropolitan Statistical Areas: 1982	15



SUMMARY OF FINDINGS

During 1982, 122,262 establishments in Texas operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$42.4 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 87,485 establishments in this State with no payroll accounted for about 12 percent of all business receipts for all construction establishments in Texas. On the other hand, 34,777 establishments classified as "employers" accounted for 88 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$37.5 billion, of which \$36.0 billion were receipts for construction work. These establishments paid \$9.4 billion for construction work subcontracted to others, leaving net construction receipts of about \$26.6 billion. Value added for these establishments amounted to \$16.3 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Texas paid \$10.6 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$664

million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Texas was 476 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 171 million hours, while hours worked during the third quarter were 179 million hours.

Total payroll for 1982 was \$8.7 billion. Payments of \$1.5 billion for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Texas are based on a sample of about 15,800 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
			Proprietors and working partners	All em- ployees**	All business receipts		Proprietors and working partners	All business receipts		Proprietors and working partners	All em- ployees**	All business receipts		
		Number				Number			Number					
		A	B	C	D	E	F	G	H	I	J	K	J	K
15,16, 17	1982													
	Construction industries and subdividers and developers-----	122 262	98 942	475 803	42 384 789	87 485	87 454	4 886 450	34 777	11 488	475 803	37 498 339	(W)	(W)
	Construction Industries¹-----	119 444	96 303	469 677	40 840 125	85 321	84 922	4 139 693	34 123	11 381	469 677	36 700 432	(W)	(W)
	General building contractors and operative builders-----	20 454	12 517	103 652	15 696 764	11 691	10 701	1 516 743	8 763	1 816	103 652	14 180 021	(W)	(W)
16	Heavy construction, general contractors	4 563	2 550	127 316	9 486 525	1 952	1 972	187 002	2 611	578	127 316	9 299 523	(W)	(W)
17	Special trade contractors-----	94 427	81 236	238 709	15 656 836	71 678	72 249	2 435 948	22 749	8 987	238 709	13 220 888	(W)	(W)
1711	Plumbing, heating, and air conditioning----	11 258	8 471	46 817	3 475 604	6 739	6 770	298 089	4 519	1 701	46 817	3 177 515	1	1
1731	Electrical work-----	6 548	4 494	41 027	2 616 755	3 682	3 682	161 284	2 866	812	41 027	2 455 471	1	(W)
6552	Subdividers and developers, n.e.c.²-----	2 812	2 635	6 120	1 544 655	2 164	2 532	746 757	648	103	6 120	797 898	2	2
15,16, 17	1977													
	Construction industries and subdividers and developers-----	88 665	79 412	408 403	22 522 865	57 143	58 315	1 946 355	31 522	21 097	408 403	20 576 510	(W)	(W)
	Construction Industries¹-----	87 116	77 674	404 286	21 959 629	56 026	56 756	1 698 448	31 090	20 918	404 286	20 261 181	(W)	(W)
	General building contractors and operative builders-----	17 768	14 097	88 117	7 875 059	8 810	8 784	883 076	8 958	5 313	88 117	6 991 983	1	1
16	Heavy construction, general contractors	3 457	2 230	144 591	7 520 466	969	1 031	72 441	2 488	1 199	144 591	7 448 025	(W)	(W)
17	Special trade contractors-----	65 891	81 347	171 578	6 564 104	46 247	46 941	742 931	19 644	14 406	171 578	5 821 173	1	1
1711	Plumbing, heating, and air conditioning----	7 976	6 713	35 928	1 724 534	4 184	4 292	97 105	3 792	2 421	35 928	1 627 429	2	1
1731	Electrical work-----	4 330	3 431	28 389	1 112 363	2 059	2 101	43 635	2 271	1 330	28 389	1 068 728	2	1
6552	Subdividers and developers, n.e.c.²-----	1 556	1 738	4 114	563 244	1 117	1 559	247 907	439	179	4 114	315 337	6	6

¹For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.
²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size
Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Receipts size	All establishments				Establishments without payroll ¹			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K		
1982													
The State	122 262	98 942	475 803	42 384 789	87 485	87 454	4 886 450	34 777	11 488	475 803	37 498 339	(W)	(W)
\$10,000,000 or more	521	36	156 956	18 904 608	21	12	546 655	500	24	156 956	18 357 953	(W)	(W)
\$5,000,000 to \$9,999,999	613	57	45 816	4 210 257	34	38	229 855	579	19	45 816	3 980 402	(W)	(W)
\$2,500,000 to \$4,999,999	1 243	127	53 084	4 294 244	84	86	281 698	1 159	41	53 084	4 012 546	(W)	(W)
\$1,000,000 to \$2,499,999	3 270	587	68 404	5 031 506	354	341	518 338	2 916	246	68 404	4 513 168	1	1
\$500,000 to \$999,999	4 739	1 381	50 702	3 294 353	691	589	472 631	4 048	792	50 702	2 821 722	2	2
\$250,000 to \$499,999	6 876	2 921	40 316	2 431 072	1 573	1 384	540 712	5 303	1 537	40 316	1 890 360	2	2
\$100,000 to \$249,999	13 664	8 576	36 940	2 172 412	5 222	5 072	797 307	8 442	3 504	36 940	1 375 105	3	2
\$50,000 to \$99,999	13 548	10 905	13 678	960 505	8 231	8 346	568 751	5 317	2 559	13 678	391 754	3	3
\$25,000 to \$49,999	16 202	14 716	5 841	571 167	13 151	13 315	458 459	3 051	1 401	5 841	112 708	4	3
Less than \$25,000	61 584	59 634	(S)	514 663	58 124	58 271	472 044	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	(NA)	(NA)	(NA)	(NA)	20 701	20 807	327 312	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	14 076	14 109	95 428	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999	(NA)	(NA)	(NA)	(NA)	13 705	13 717	39 662	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000	(NA)	(NA)	(NA)	(NA)	9 642	9 638	9 642	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State	88 665	79 412	408 403	22 522 865	57 143	58 315	1 946 355	31 522	21 097	408 403	20 576 510	(W)	(W)
\$10,000,000 or more	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 ²	513	69	162 987	10 960 481	16	22	256 813	497	47	162 987	10 703 668	(W)	(W)
\$2,500,000 to \$4,999,999	594	102	36 537	2 045 230	24	28	80 732	570	74	36 537	1 964 498	1	1
\$1,000,000 to \$2,499,999	2 055	547	53 870	3 156 975	156	172	224 944	1 899	375	53 870	2 932 031	1	1
\$500,000 to \$999,999	3 065	1 295	41 203	2 113 989	451	461	300 163	2 614	834	41 203	1 813 826	2	2
\$250,000 to \$499,999	4 499	2 732	36 976	1 568 692	592	583	205 426	3 907	2 149	36 976	1 363 266	2	3
\$100,000 to \$249,999	8 631	6 740	41 109	1 372 088	1 246	1 325	193 783	7 385	5 415	41 109	1 178 305	3	2
\$50,000 to \$99,999	8 011	7 455	19 412	571 573	2 251	2 439	153 826	5 760	5 016	19 412	417 747	4	3
\$25,000 to \$49,999	9 625	9 314	9 035	332 713	5 580	5 877	189 717	4 045	3 437	9 035	142 996	5	4
Less than \$25,000	51 672	51 159	(S)	401 125	46 827	47 408	340 951	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999	17 360	16 944	5 268	265 886	14 062	14 352	214 052	3 298	2 592	5 268	51 834	7	6
\$5,000 to \$9,999	(NA)	(NA)	(NA)	(NA)	12 484	12 612	84 643	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999	(NA)	(NA)	(NA)	(NA)	12 648	12 754	36 619	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500	(NA)	(NA)	(NA)	(NA)	7 633	7 690	5 637	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers	34 777	475 803	392 751	8 727 378	6 711 262	692 936	35 936 332	26 550 034
15,16, 17	Construction industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses	4 374	24 586	19 761	302 208	221 363	31 657	1 750 058	1 231 923
1522	Other residential buildings	557	5 388	4 089	91 420	60 333	6 777	771 526	313 102
1531	Operative builders	1 560	14 649	6 875	260 676	91 557	11 461	12 678 070	1 697 827
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	548	15 375	12 310	316 989	232 536	23 040	1 519 445	933 823
1542	Nonresidential buildings, n.e.c.	1 724	43 654	35 451	861 694	636 722	59 809	6 976 456	2 648 746
16	Heavy construction general contractors:								
1611	Highway and street construction	647	20 287	17 841	323 587	260 143	36 235	1 589 203	1 346 654
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	62	2 291	2 031	39 824	31 230	3 857	171 185	137 563
1623	Water, sewer, and utility lines	1 041	23 740	20 963	449 410	368 416	41 873	1 467 597	1 301 995
1629	Heavy construction, n.e.c.	861	80 998	68 751	2 019 097	1 618 104	141 165	5 662 114	4 774 226
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning.....	4 519	46 817	37 170	842 925	631 952	65 174	3 084 571	2 755 502
1721	Painting, paper hanging, and decorating	2 019	15 447	13 942	220 335	187 493	21 105	549 532	514 523
1731	Electrical work	2 866	41 027	33 949	820 507	658 307	59 465	2 415 998	2 372 730
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework	1 283	11 162	9 949	129 277	113 343	12 881	346 693	329 811
1742	Plastering, drywall, and insulation work	1 272	23 381	20 466	418 362	345 967	34 029	1 181 641	1 087 616
1743	Terrazzo, tile, marble, and mosaic work	392	2 813	2 498	42 347	34 502	4 009	133 929	130 632
175	Carpentering and flooring:								
1751	Carpentering	2 166	11 275	10 480	125 831	111 332	14 114	405 415	339 731
1752	Floor laying and other floorwork	399	2 217	1 712	34 800	26 617	2 775	140 297	133 361
1761	Roofing and sheet metal work	1 263	14 732	12 684	223 411	173 249	19 894	725 380	677 867
1771	Concrete work	1 483	18 577	16 668	230 009	193 791	26 427	888 771	789 473
1781	Water well drilling	345	2 126	1 764	32 113	24 356	3 413	132 189	126 253
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	425	7 471	6 543	147 957	122 670	10 568	391 466	374 698
1793	Glass and glazing work	336	4 530	3 581	96 548	71 088	6 371	343 831	338 620
1794	Excavating and foundation work	1 422	14 302	12 415	223 464	183 437	21 717	886 417	808 459
1795	Wrecking and demolition work	46	352	305	4 923	3 981	440	17 372	16 331
1796	Installing building equipment, n.e.c.	330	5 327	4 510	118 728	97 083	8 094	423 971	414 876
1799	Special trade contractors, n.e.c.	2 183	17 153	13 896	255 469	186 479	22 727	836 304	758 118
6552	Subdividers and developers, n.e.c.	648	6 120	2 137	95 460	25 202	3 844	1446 892	195 566

†Land receipts for SIC 1531 were \$327,814; for SIC 6552 were \$314,845.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
16 251 869	11 217 512	9 386 297	581 476	627 019	5 781 704	408 403	19 442 626	9 580 999	(W)	(W)	1	15,16, 17
												15
659 519	615 387	518 135	16 430	27 612	215 828	26 709	1 257 467	381 205	2	2	3	152
128 981	193 913	458 423	5 940	5 472	43 097	4 838	412 128	119 790	2	2	7	1521
												1522
906 951	817 720	980 243	14 159	26 162	266 393	15 195	1 860 704	430 446	2	1	3	1531
545 955	430 710	585 622	21 431	17 404	140 223	14 758	926 419	300 186	1	1	5	154
1 276 397	1 406 537	4 327 710	58 818	39 548	319 618	26 617	2 212 477	527 150	(W)	(W)	1	1541
												1542
												16
691 705	704 481	242 549	76 806	51 647	662 976	22 183	1 035 215	493 303	1	(W)	1	1611
												162
73 574	66 023	33 622	4 719	3 281	46 350	3 256	145 997	50 409	1	(W)	(W)	1622
922 570	398 522	165 602	61 444	68 573	561 939	20 019	755 412	467 856	1	(W)	1	1623
3 613 146	1 499 836	887 888	115 994	96 002	1 106 838	99 133	4 976 357	3 486 383	(W)	(W)	1	1629
												17
1 486 630	1 361 815	329 069	34 952	51 358	380 419	35 928	1 601 890	761 578	1	1	2	1711
392 742	124 467	35 008	9 142	11 431	103 403	13 390	305 584	225 131	3	2	5	1721
1 398 533	1 013 670	43 268	25 800	44 671	302 192	28 389	1 052 188	639 241	1	(W)	1	1731
220 860	113 724	16 882	4 928	8 334	55 321	11 154	229 554	155 243	4	3	5	174
691 333	430 039	94 024	12 345	18 719	113 157	15 314	474 780	275 958	1	1	3	1741
75 045	56 070	3 296	844	1 957	12 767	2 364	70 015	37 489	5	4	11	1742
												1743
220 083	121 409	65 684	4 113	5 989	45 710	9 151	180 585	105 467	4	3	6	175
63 598	71 974	6 935	1 389	2 011	12 717	2 067	82 212	34 858	7	7	11	1751
												1752
383 724	300 556	47 512	7 147	13 549	106 763	11 555	352 281	197 905	2	2	3	1761
450 936	356 543	99 298	17 702	25 348	207 444	11 309	285 427	142 414	3	2	3	1771
68 350	59 668	5 936	1 500	4 424	52 112	1 745	74 513	40 722	7	6	10	1781
												179
281 735	102 879	16 768	10 028	9 345	83 636	3 726	107 469	77 511	3	2	3	1791
170 263	198 101	5 211	3 468	3 339	24 165	3 148	97 598	54 110	3	2	6	1793
585 961	244 757	77 958	48 563	51 215	498 827	6 962	241 383	166 838	3	2	3	1794
14 763	1 915	1 041	820	386	7 556	373	9 263	7 588	4	3	6	1795
273 333	146 169	9 095	3 190	4 770	37 344	2 407	106 462	79 022	2	1	5	1796
511 227	292 833	78 186	15 870	19 088	161 521	12 596	417 734	252 674	2	2	4	1799
143 944	87 783	251 326	3 923	15 375	213 380	4 114	171 516	70 527	2	3	5	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year	34 777	31 522	27 874	21 740	1	1	2	2
Number of establishments in business at end of year	33 605	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Proprietors and working partners	11 488	21 097	20 296	18 000	2	2	2	3
All employees**	475 803	408 403	310 343	246 064	(W)	(W)	1	1
Construction workers:								
March	395 566	328 115	251 814	203 224	(W)	(W)	1	1
May	392 824	344 857	257 015	215 580	(W)	1	1	1
August	398 724	354 398	277 355	231 171	1	1	2	1
November	373 187	344 202	261 032	213 809	(W)	1	2	1
Average	392 751	343 095	264 534	217 099	(W)	(W)	1	1
Other employees:								
March	81 812	62 587	44 939	31 378	1	1	1	1
Construction worker hours (thousands):								
January to March	170 687	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
April to June	176 839	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
July to September	179 396	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
October to December	166 011	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
Total hours worked	692 936	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(NA)
Payroll, all employees	8 727 378	4 915 923	2 456 195	1 414 722	(W)	(W)	1	1
Payroll, construction workers	6 711 262	3 820 993	1 957 128	1 189 642	(W)	(W)	1	1
Payroll, other employees	2 016 116	1 094 930	499 067	225 058	(W)	(W)	1	1
First quarter payroll, all employees	2 076 017	1 091 592	(NA)	(NA)	(W)	(W)	(NA)	(NA)
Employer costs for fringe benefits	1 516 641	764 282	(NA)	(NA)	(W)	(W)	(NA)	(NA)
Legally required expenditures	1 151 545	530 999	(NA)	(NA)	(W)	1	(NA)	(NA)
Voluntary expenditures	365 095	233 284	(NA)	(NA)	(W)	(W)	(NA)	(NA)
All business receipts	37 498 339	20 576 510	10 507 241	5 872 298	(W)	(W)	1	1
Total construction receipts	35 936 332	19 442 626	10 004 136	5 679 114	(W)	(W)	1	1
Receipts for work subcontracted in from others	7 419 140	3 813 710	1 809 825	975 712	1	1	2	3
Land receipts ¹	642 659	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Other business receipts	919 347	1 133 884	503 105	191 901	1	1	4	6
Net construction receipts†	26 550 034	15 278 524	7 567 010	4 442 539	(W)	(W)	1	1
Value added††	16 251 869	9 580 999	4 210 009	2 511 715	(W)	(W)	1	1
Selected payments	20 603 810	10 662 254	6 036 522	3 294 382	(W)	1	1	1
Materials, components, and supplies ²	10 553 062	6 190 548	3 599 396	2 054 476	(W)	1	1	1
Construction work subcontracted to others	9 386 297	4 164 102	2 437 126	1 236 655	(W)	1	2	1
Selected power, fuels, and lubricants	664 450	307 605	(NA)	(NA)	(W)	1	(NA)	(NA)
Electricity	96 299	37 590	(NA)	(NA)	1	2	(NA)	(NA)
Natural gas	24 315	15 901	(NA)	(NA)	2	3	(NA)	(NA)
Gasoline and diesel fuel (including gasohol)	502 123	217 418	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases	41 711	36 705	(NA)	(NA)	1	2	(NA)	(NA)
Storage capacity for fuels (thousand gallons) ³	14 918	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures	581 476	314 757	(NA)	(NA)	1	1	(NA)	(NA)
For machinery and equipment	469 051	269 189	162 648	107 349	1	1	3	1
For structures	112 425	45 568	(NA)	(NA)	1	1	(NA)	(NA)
Selected purchased services	523 904	314 840	(NA)	(NA)	1	2	(NA)	(NA)
Communication services	123 262	80 089	(NA)	(NA)	1	4	(NA)	(NA)
Repairs to structures and related facilities	30 818	16 950	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to machinery and equipment	369 823	217 801	(NA)	(NA)	1	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts	35 936 332	19 442 626	10 004 136	5 679 114	(W)	(W)	1	1
Government owned	4 488 499	2 922 710	2 692 180	1 807 962	2	1	1	1
Privately owned	31 447 832	16 519 915	7 311 956	3 871 152	(W)	(W)	1	2

¹Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

²For 1967 and 1972, includes data for power, fuels, and lubricants.

³Data were collected only for establishments classified as heavy construction contractors.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	5 485 891	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	627 019	597 504	277 564	136 138	1	2	3	2
New -----	490 356	498 881	229 623	110 157	1	2	3	2
Used -----	136 662	98 623	47 941	25 981	1	3	5	4
Retirements and disposition of depreciable assets -----	331 205	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	5 781 704	3 028 172	1 629 594	(NA)	1	1	2	(NA)
Depreciation charges during year -----	754 438	322 079	199 097	(NA)	1	1	6	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	1 201 763	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	97 885	139 211	53 228	24 236	2	9	12	10
New structures and related facilities -----	81 359	125 139	41 084	18 490	2	7	11	12
Used structures and related facilities -----	16 526	14 072	12 144	5 746	4	12	14	9
Retirements and disposition of depreciable assets -----	125 161	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 174 487	695 772	339 360	(NA)	1	3	3	(NA)
Depreciation charges during year -----	98 809	36 572	20 221	(NA)	1	3	5	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	4 284 128	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	529 133	458 293	224 336	111 902	1	2	4	3
New machinery and equipment, including automobiles and trucks -----	408 997	373 742	188 539	91 667	1	1	3	2
New automobiles and trucks, intended primarily for highway use -----	157 711	143 524	(NA)	(NA)	2	1	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	120 136	84 551	35 797	20 235	2	3	5	4
Retirements and disposition of depreciable assets -----	206 044	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	4 607 216	2 332 400	1 290 234	(NA)	1	1	2	(NA)
Depreciation charges during year -----	655 628	285 508	178 876	(NA)	1	1	6	(NA)

Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	34 777	1
Total construction receipts	35 936 332	(W)
Establishments with inventories:		
Number	7 744	4
Total construction receipts	14 794 064	(W)
Inventories ¹ :		
End of 1982, total	723 264	2
Value for establishments with LIFO reserve	67 853	5
Amount of LIFO reserve	9 025	4
Value for establishments with no LIFO reserve	655 411	2
End of 1981, total	649 058	2
Value for establishments with LIFO reserve	100 503	3
Amount of LIFO reserve	41 979	1
Value for establishments with no LIFO reserve	548 555	3
Establishments with no inventories:		
Number	27 033	1
Total construction receipts	21 142 268	(W)

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Establishments with an average of—									
	Total	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments	34 777	18 591	7 173	4 602	3 001	853	403	104	37	13
All employees**	475 803	38 031	47 026	61 685	91 166	58 802	60 403	34 342	25 193	59 154
Payroll, all employees	8 727 378	421 947	604 826	907 184	1 503 214	1 131 889	1 224 806	747 858	626 872	1 558 780
Construction worker hours (thousands)	692 936	47 687	58 713	79 548	124 955	87 186	93 756	54 735	38 843	107 509
All business receipts	37 498 339	2 445 994	2 677 953	3 858 961	6 478 704	5 338 983	5 367 569	11 330 174	(D)	(D)
Total construction receipts	35 936 332	2 337 592	2 580 797	3 699 530	6 295 591	5 128 586	5 154 250	3 346 983	2 639 079	4 753 923
Net construction receipts†	26 550 034	1 839 752	2 079 102	2 933 893	4 925 196	3 655 902	3 689 480	2 237 058	1 636 387	3 553 262
Value added††	16 251 869	1 039 170	1 198 717	1 735 584	2 892 020	2 146 147	2 236 242	1 331 742	1 093 862	2 578 383
Payments for materials, components, supplies, and fuels	11 217 512	844 364	927 116	1 280 623	2 152 697	1 602 268	1 570 503	999 337	633 188	1 207 414
Payments for construction work subcontracted to others	9 386 297	497 839	501 695	765 637	1 370 394	1 472 684	1 464 770	1 109 925	1 002 692	1 200 661
Rental payments for machinery, equipment, and structures	581 476	23 899	36 451	59 670	100 501	85 460	96 882	66 259	43 741	68 610
Capital expenditures, other than land	627 019	52 563	64 306	86 511	125 560	91 781	72 650	46 688	29 316	57 642
End-of-year gross book value of depreciable assets	5 781 704	565 640	541 547	707 801	1 035 329	662 914	734 829	488 744	268 919	775 979
1977										
All employees**	408 403	37 409	42 692	51 191	65 978	41 357	40 436	31 975	21 389	75 977
Total construction receipts	19 442 626	1 843 235	1 579 737	2 079 315	2 931 735	2 043 323	2 144 261	1 772 940	968 631	4 079 450
Value added††	9 580 999	702 069	687 948	935 811	1 341 563	889 976	932 398	777 462	460 189	2 853 583
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	(W)	1	2	2	1	(W)	(W)	(W)	(W)	(W)
Net construction receipts†	(W)	2	2	2	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	1	5	5	4	1	(W)	(W)	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	34 777	(S)	3 051	5 317	8 442	5 303	4 048	2 916	1 159	579	500
All employees** -----	475 803	(S)	5 841	13 678	36 940	40 316	50 702	68 404	53 084	45 816	156 956
Payroll, all employees -----	8 727 378	(S)	32 415	109 594	373 404	501 753	745 998	1 166 139	993 235	927 864	3 864 882
Construction worker hours (thousands) -----	692 936	(S)	5 799	16 004	44 314	49 888	67 270	95 737	77 476	71 861	260 927
All business receipts -----	37 498 339	(S)	112 708	391 754	1 375 105	1 890 360	2 821 722	4 513 168	4 012 546	3 980 402	18 357 953
Total construction receipts -----	35 936 332	(S)	110 258	384 241	1 342 201	1 829 663	2 737 967	4 344 656	3 879 352	3 853 094	17 413 689
Net construction receipts† -----	26 550 034	(S)	97 566	343 398	1 192 201	1 573 922	2 300 880	3 573 584	3 093 288	2 960 490	11 378 507
Value added†† -----	16 251 869	(S)	60 675	217 185	721 424	919 670	1 369 364	2 103 861	1 871 251	1 765 740	7 200 426
Payments for materials, components, supplies, and fuels -----	11 217 512	(S)	38 305	130 425	489 552	688 545	985 344	1 570 541	1 305 726	1 274 018	4 720 454
Payments for construction work subcontracted to others -----	9 386 297	(S)	12 691	40 842	149 999	255 740	437 087	771 072	786 064	892 604	6 035 182
Rental payments for machinery, equipment, and structures -----	581 476	(S)	1 129	4 601	19 622	26 943	43 518	75 451	73 969	76 458	259 205
Capital expenditures, other than land -----	627 019	(S)	2 301	9 904	40 731	48 010	70 444	101 084	81 050	68 452	204 568
End-of-year gross book value of depreciable assets -----	5 781 704	(S)	34 944	104 939	345 285	449 623	587 188	901 625	645 462	598 573	2 100 614
1977											
All employees** -----	408 403	(S)	9 035	19 412	41 109	36 976	41 203	53 870	36 537	1162 987	(NA)
Total construction receipts -----	19 442 626	(S)	140 016	410 713	1 147 501	1 319 025	1 733 187	2 801 175	1 863 697	19 967 920	(NA)
Value added†† -----	9 580 999	(S)	82 137	231 909	577 356	607 271	798 710	1 210 186	845 717	15 193 035	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	(W)	-	4	3	3	2	2	1	(W)	(W)	(W)
Net construction receipts† -----	(W)	-	3	3	2	2	2	1	(W)	(W)	(W)
Capital expenditures, other than land -----	1	-	13	8	5	6	4	2	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction ¹	Maintenance and repair			
	A	B	C	A	B	C
1982						
Total construction receipts†	35 936 332	31 190 836	4 745 495	(W)	(W)	1
Building construction	23 393 161	20 731 066	2 662 095	(W)	(W)	1
Single-family houses	6 425 825	5 652 326	773 498	1	1	2
Single-family houses, detached	5 503 093	4 809 600	693 493	1	1	2
Single-family houses, attached	922 732	842 726	80 005	2	2	4
Apartment buildings with two or more apartments	1 412 976	1 270 764	142 212	1	2	4
Other residential buildings	655 899	592 147	63 751	1	1	3
Office and bank buildings	7 147 698	6 647 694	500 004	(W)	(W)	1
Office buildings	6 212 609	5 804 537	408 072	(W)	(W)	1
Bank buildings and other financial institutions	935 088	843 156	91 932	1	1	2
Farm buildings	62 712	47 387	15 325	9	7	21
Industrial buildings and warehouses	3 643 908	3 036 036	607 872	1	1	1
Industrial buildings	2 669 019	2 139 117	529 902	1	1	1
Warehouses	974 889	896 919	77 970	1	1	4
Stores, restaurants, public garages, and automobile service stations	1 562 935	1 305 351	257 584	1	2	2
Religious buildings	296 118	244 279	51 839	2	2	3
Educational buildings	950 657	846 090	104 566	1	1	3
Hospitals and institutional buildings	872 656	785 399	87 257	1	1	2
Amusement, social, and recreational buildings	176 538	156 378	20 159	4	5	5
Other nonresidential buildings	185 239	147 215	38 028	3	4	4
Nonbuilding construction	10 240 757	8 602 241	1 638 516	(W)	(W)	1
Highways, streets, and related facilities	2 013 503	1 638 937	374 566	1	1	2
Outdoor swimming pools	96 945	84 383	12 561	8	8	14
Bridges, tunnels, and elevated highways	276 790	254 220	22 569	1	(W)	6
Dam and reservoir construction	151 831	146 817	5 014	2	2	13
Marine construction	217 858	191 370	26 487	(W)	(W)	2
Conservation and development construction	126 745	112 860	13 884	5	5	10
Power and communication transmission lines, towers, and related facilities	419 655	331 339	88 316	2	2	3
Sewers, water mains, and related facilities	880 133	783 085	97 047	1	1	5
Sewers, sewer lines, and related facilities	526 376	488 482	37 893	1	1	5
Water mains and related facilities	353 756	294 602	59 153	3	2	8
Pipeline, other than sewer or water lines	766 286	663 886	102 399	1	1	3
Sewage treatment and water treatment plants	273 884	245 528	28 355	3	3	7
Sewage treatment plants	168 647	154 758	13 889	3	4	5
Water treatment plants	105 236	90 769	14 466	5	6	12
Mass transit construction	101 126	76 467	24 659	2	1	4
Heavy industrial facilities	4 142 484	3 505 279	637 205	(W)	(W)	(W)
Blast furnaces, petroleum refineries, and chemical complexes	2 762 140	2 188 982	573 157	(W)	(W)	1
Power plants	1 380 344	1 316 296	64 047	(W)	(W)	1
Oilfields	330 522	205 848	124 674	3	3	4
Other nonbuilding construction	442 995	362 222	80 780	4	3	6
Construction work, n.s.k.	2 302 412	1 857 528	444 883	1	1	2
1977						
Total construction receipts†	19 442 626	17 161 828	2 280 798	(W)	(W)	1
Building construction	10 997 802	9 638 513	1 359 289	1	1	1
Single-family houses	4 254 719	3 715 389	539 330	1	1	3
Apartment buildings with two or more apartments	726 963	641 299	85 664	2	2	3
Other residential buildings	301 634	251 507	50 127	2	2	2
Office and bank buildings	1 259 206	1 111 062	148 144	1	1	2
Industrial buildings and warehouses	1 970 901	1 724 434	246 467	1	1	1
Stores, restaurants, public garages, and automobile service stations	724 795	619 618	105 177	2	2	3
Religious buildings	191 551	164 532	27 019	2	2	3
Educational buildings	680 926	619 931	60 995	1	1	4
Hospitals and institutional buildings	659 940	597 016	62 924	1	1	2
Other nonresidential buildings	227 168	193 727	33 441	3	3	6
Nonbuilding construction	7 687 064	6 870 011	817 053	(W)	(W)	1
Highways, streets, and related facilities	1 034 476	895 946	138 530	1	1	2
Bridges, tunnels, and elevated highways	286 030	283 022	3 008	(W)	(W)	2
Marine construction	216 526	202 230	14 296	1	1	9
Conservation and development construction	112 238	94 332	17 906	2	2	2
Power and communication transmission lines, towers, and related facilities	228 700	196 362	32 338	3	3	10
Sewers, water mains, and related facilities	578 641	537 567	41 074	1	1	6
Pipeline, other than sewer or water lines	676 731	618 739	57 992	(W)	(W)	3
Heavy industrial facilities	3 787 861	3 408 066	379 795	(W)	(W)	1
Other nonbuilding construction	765 861	633 747	132 114	1	1	3
Construction work, n.s.k.	757 888	652 788	105 100	3	3	2

¹Includes data for work done as additions and alterations.

Table 10. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and subdividers and developers-----	34 777	392 751	692 936	395 566	170 687	392 824	176 839
15,16,17	Construction industries:							
15	General building contractors and operative builders:							
152	General contractors, residential buildings:							
1521	Single-family houses-----	4 374	19 761	31 657	19 760	7 937	20 142	8 168
1522	Other residential buildings-----	557	4 089	6 777	4 222	1 685	3 898	1 645
1531	Operative builders-----	1 560	6 875	11 461	6 871	2 867	6 814	2 828
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses-----	548	12 310	23 040	13 283	6 144	12 827	6 281
1542	Nonresidential buildings, n.e.c.-----	1 724	35 451	59 809	37 243	15 066	35 424	15 299
16	Heavy construction general contractors:							
1611	Highway and street construction-----	647	17 841	36 235	16 774	8 224	17 659	8 953
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	62	2 031	3 857	2 002	918	2 034	969
1623	Water, sewer, and utility lines-----	1 041	20 963	41 873	20 712	9 819	22 151	11 463
1629	Heavy construction, n.e.c.-----	861	68 751	141 165	75 496	37 465	69 427	36 349
17	Special trade contractors:							
1711	Plumbing, heating, and air conditioning-----	4 519	37 170	65 174	35 231	15 240	36 732	16 349
1721	Painting, paper hanging, and decorating-----	2 019	13 942	21 105	13 084	4 847	13 808	5 322
1731	Electrical work-----	2 866	33 949	59 465	33 499	14 474	33 213	14 765
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework-----	1 283	9 949	12 881	9 677	3 066	9 748	3 301
1742	Plastering, drywall, and insulation work-----	1 272	20 466	34 029	19 415	8 079	20 149	8 464
1743	Terrazzo, tile, marble, and mosaic work-----	392	2 498	4 009	2 407	951	2 438	988
175	Carpentering and flooring:							
1751	Carpentering-----	2 166	10 480	14 114	10 288	3 404	9 962	3 497
1752	Floor laying and other floorwork-----	399	1 712	2 775	1 814	721	1 602	680
1761	Roofing and sheet metal work-----	1 263	12 684	19 894	12 357	4 718	12 557	5 048
1771	Concrete work-----	1 483	16 668	26 427	15 959	6 115	16 566	6 668
1781	Water well drilling-----	345	1 764	3 413	1 769	843	1 780	881
179	Miscellaneous special trade contractors:							
1791	Structural steel erection-----	425	6 543	10 568	6 851	2 669	6 607	2 816
1793	Glass and glazing work-----	336	3 581	6 371	3 393	1 443	3 490	1 545
1794	Excavating and foundation work-----	1 422	12 415	21 717	12 998	5 538	12 278	5 457
1795	Wrecking and demolition work-----	46	305	440	399	125	332	109
1796	Installing building equipment, n.e.c.-----	330	4 510	8 094	4 095	1 748	4 521	2 023
1799	Special trade contractors, n.e.c.-----	2 153	13 806	22 727	13 952	5 647	11 471	5 915
6552	Subdividers and developers, n.e.c.-----	648	2 137	3 844	2 007	921	2 190	1 042

¹Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
398 724	179 396	373 187	166 011	(W)	(W)	(W)	(W)	(W)	(W)	1	(W)	(W)	(W)	15,16, 17
														15
19 589	8 044	18 462	7 507	2	2	3	3	2	2	2	3	2	3	152
4 001	1 722	4 154	1 723	3	3	3	3	3	4	2	3	3	3	1521
														1522
6 895	2 933	6 628	2 831	3	3	3	3	3	3	3	3	2	3	1531
12 268	5 756	10 697	4 858	1	1	1	1	1	1	2	1	2	2	154
35 906	15 379	32 778	14 063	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1541
														1542
														16
18 716	10 108	17 996	8 948	1	(W)	1	1	1	1	1	1	1	1	1611
														162
2 079	1 028	2 003	940	(W)	1	(W)	1	(W)	(W)	(W)	1	1	1	1622
21 869	11 258	18 730	9 331	1	1	1	1	1	1	1	1	1	1	1623
66 082	34 328	63 757	33 021	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1629
														17
39 439	17 512	35 742	16 071	1	1	1	1	1	1	2	2	1	1	1711
14 737	5 594	13 540	5 341	3	2	3	3	3	3	3	3	3	3	1721
34 684	15 409	33 271	14 816	1	1	1	1	1	1	1	1	1	1	1731
														174
9 952	3 309	10 053	3 203	4	3	4	4	4	4	4	4	5	4	1741
21 072	8 896	20 676	8 588	1	1	1	1	1	1	2	2	2	2	1742
2 517	1 044	2 529	1 024	5	5	5	6	5	6	5	6	5	6	1743
10 997	3 761	9 664	3 450	4	4	5	6	4	5	5	5	4	5	175
1 716	707	1 643	667	7	8	7	9	8	10	7	9	8	10	1751
														1752
13 115	5 235	12 292	4 892	2	2	2	3	2	2	3	3	3	3	1761
17 416	7 082	16 284	6 560	2	2	3	3	3	3	3	2	3	2	1771
1 747	897	1 593	790	7	7	7	8	7	8	7	8	7	9	1781
														179
6 496	2 697	6 104	2 385	3	3	3	3	4	3	4	3	4	3	1791
3 712	1 764	3 670	1 618	4	3	4	4	4	4	3	3	4	4	1793
12 427	5 681	11 488	5 039	3	2	3	3	3	3	3	3	3	3	1794
257	119	214	87	3	3	3	5	4	2	5	2	4	5	1795
4 700	2 077	4 645	2 245	2	2	3	3	2	2	2	3	2	2	1796
14 116	6 041	12 484	5 122	2	2	2	3	2	2	2	3	3	3	1799
2 212	1 002	2 082	878	2	3	2	4	2	3	3	5	3	5	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	Construction industries and subdividers and developers	13.7	18.3	1.8	91.5	.243	.312	.261	.017	.016
15,16, 17	Construction industries:									
15	General building contractors and operative builders:									
152	General contractors, residential buildings:									
1521	Single-family houses	5.6	12.3	1.6	88.6	.173	.352	.296	.016	.009
1522	Other residential buildings	9.7	17.0	1.7	188.7	.118	.251	.594	.007	.008
1531	Operative builders	9.4	17.8	1.7	389.5	.097	.305	.366	.010	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	28.1	20.6	1.9	123.4	.209	.283	.385	.011	.014
1542	Nonresidential buildings, n.e.c.	25.3	19.7	1.7	196.8	.124	.202	.620	.006	.008
16	Heavy construction general contractors:									
1611	Highway and street construction	31.4	16.0	2.0	89.1	.204	.443	.153	.032	.048
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	37.0	17.4	1.9	84.3	.233	.386	.196	.019	.028
1623	Water, sewer, and utility lines	22.8	18.9	2.0	70.0	.306	.272	.113	.047	.042
1629	Heavy construction, n.e.c.	94.1	24.9	2.1	82.4	.357	.265	.157	.017	.020
17	Special trade contractors:									
1711	Plumbing, heating, and air conditioning	10.4	18.0	1.8	83.0	.273	.441	.107	.017	.011
1721	Painting, paper hanging, and decorating	7.7	14.3	1.5	39.4	.401	.226	.064	.021	.017
1731	Electrical work	14.3	20.0	1.8	71.2	.340	.420	.018	.018	.011
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework	8.7	11.6	1.3	34.8	.373	.328	.049	.024	.014
1742	Plastering, drywall, and insulation work	18.4	17.9	1.7	57.7	.354	.364	.080	.016	.010
1743	Terrazzo, tile, marble, and mosaic work	7.2	15.1	1.6	53.6	.316	.419	.025	.015	.006
175	Carpentering and flooring:									
1751	Carpentering	5.2	11.2	1.3	38.7	.310	.299	.162	.015	.010
1752	Floor laying and other floorwork	5.6	15.7	1.6	81.9	.248	.513	.049	.014	.010
1761	Roofing and sheet metal work	11.7	15.2	1.6	57.2	.308	.414	.065	.019	.010
1771	Concrete work	12.5	12.4	1.6	53.3	.259	.401	.112	.029	.020
1781	Water well drilling	6.2	15.1	1.9	74.9	.243	.451	.045	.033	.011
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	17.6	19.8	1.6	59.8	.378	.263	.043	.024	.026
1793	Glass and glazing work	13.5	21.3	1.8	96.0	.281	.576	.015	.010	.010
1794	Excavating and foundation work	10.1	15.6	1.7	71.4	.252	.276	.088	.058	.055
1795	Wrecking and demolition work	7.7	14.0	1.4	57.0	.283	.110	.060	.022	.047
1796	Installing building equipment, n.e.c.	16.1	22.3	1.8	94.0	.280	.345	.021	.011	.008
1799	Special trade contractors, n.e.c.	7.9	14.9	1.6	60.2	.305	.350	.093	.023	.019
6552	Subdividers and developers, n.e.c.	9.4	15.6	1.8	209.1	.214	.196	.562	.034	.009

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	HOUSTON-GALVESTON SCSA											
	Construction industries and subdividers and developers	7 551	149 069	3 086 691	14 293 541	9 943 018	6 065 704	4 103 811	4 350 523	180 527	1	(W)
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	912	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	142	1 292	24 249	200 671	56 460	(D)	44 871	144 211	1 747	5	6
1531	Operative builders	382	5 233	106 185	(D)	(D)	(D)	320 641	(D)	10 763	5	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	161	6 065	135 218	666 696	411 226	237 146	(D)	255 470	5 874	1	1
1542	Nonresidential buildings, n.e.c.	456	16 934	371 552	3 103 918	984 042	410 233	(D)	2 119 876	9 470	1	1
16	Heavy construction general contractors:											
1611	Highway and street construction	116	4 087	71 839	353 707	309 556	141 615	173 292	44 151	(D)	1	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	10	513	10 249	38 996	30 832	17 938	13 778	8 164	246	(W)	(W)
1623	Water, sewer, and utility lines	236	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c.	219	25 895	690 325	3 123 228	2 489 392	1 751 937	(D)	633 836	21 106	1	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	1 020	13 206	276 724	1 044 047	911 306	469 830	(D)	132 741	14 833	2	2
1721	Painting, paper hanging, and decorating	467	4 918	81 185	207 226	(D)	151 429	43 507	(D)	3 514	6	-
1731	Electrical work	600	12 720	281 895	748 800	733 162	463 526	(D)	15 639	14 728	2	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	206	3 153	41 200	105 970	102 248	66 602	36 586	3 723	2 071	4	4
1742	Plastering, drywall, and insulation work	280	9 169	190 267	535 782	481 042	304 748	196 600	54 740	6 157	2	2
1743	Terrazzo, tile, marble, and mosaic work	93	1 028	16 908	50 907	49 702	28 953	20 783	1 206	623	8	6
175	Carpentering and flooring:											
1751	Carpentering	443	3 222	41 564	117 086	95 169	64 845	30 571	21 917	1 198	9	6
1752	Floor laying and other floorwork	72	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1761	Roofing and sheet metal work	265	4 125	69 988	207 944	191 414	110 076	82 044	16 530	4 623	5	4
1771	Concrete work	228	3 527	48 565	192 162	(D)	104 776	79 599	(D)	6 885	7	-
1781	Water well drilling	39	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	99	2 325	54 740	160 934	154 626	107 506	48 544	6 309	2 586	3	2
1793	Glass and glazing work	83	1 648	38 057	146 914	145 276	73 161	(D)	1 638	(D)	4	2
1794	Excavating and foundation work	232	3 436	58 073	255 609	232 347	162 152	(D)	23 262	(D)	4	4
1795	Wrecking and demolition work	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	80	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c.	548	6 302	110 824	324 159	289 311	207 683	101 915	34 849	5 888	3	3
6552	Subdividers and developers, n.e.c.	158	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	DALLAS-FORT WORTH SMSA											
	Construction industries and subdividers and developers	7 771	102 826	1 892 869	8 417 429	6 084 496	3 551 053	2 764 567	2 332 933	122 084	1	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	880	5 012	69 978	368 805	261 015	148 312	126 086	107 790	4 964	5	4
1522	Other residential buildings	97	1 426	27 315	223 705	100 307	46 369	55 719	123 398	1 155	4	4
1531	Operative builders	446	3 875	73 640	701 424	463 453	274 154	195 348	237 971	3 818	4	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	118	2 512	46 119	248 431	142 534	84 604	(D)	105 897	2 872	4	3
1542	Nonresidential buildings, n.e.c.	420	12 628	260 946	2 149 015	859 423	413 085	452 497	1 289 592	11 414	1	1

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	DALLAS-FORT WORTH SMSA—Con.											
15,16, 17	Construction industries—Con.											
16	Heavy construction general contractors:											
1611	Highway and street construction	113	3 712	60 718	281 358	237 747	106 115	145 579	43 612	6 780	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	15	1 029	18 910	85 064	69 308	34 601	(D)	15 756	1 819	2	1
1623	Water, sewer, and utility lines	191	4 511	101 167	326 411	293 282	210 607	84 568	33 129	11 567	3	2
1629	Heavy construction, n.e.c.	106	4 820	119 166	387 055	324 794	223 749	(D)	62 262	5 867	1	1
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	1 043	13 563	254 620	904 324	796 821	450 514	391 829	107 503	12 642	2	2
1721	Painting, paper hanging, and decorating	498	2 965	38 701	96 127	88 441	67 335	21 383	7 687	2 093	8	6
1731	Electrical work	690	11 314	249 917	797 547	784 289	432 800	364 801	13 258	8 196	2	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	290	2 374	32 649	84 687	81 369	54 399	27 698	3 319	1 534	9	7
1742	Plastering, drywall, and insulation work	329	5 929	103 653	262 326	246 818	160 444	90 745	15 508	5 086	4	3
1743	Terrazzo, tile, marble, and mosaic work	95	598	10 415	28 039	27 704	17 020	10 693	335	311	11	7
175	Carpentering and flooring:											
1751	Carpentering	467	2 516	32 592	107 378	91 147	57 889	33 677	16 231	1 857	7	7
1752	Floor laying and other floorwork	106	581	9 341	32 527	31 639	16 433	15 682	888	765	15	17
1761	Roofing and sheet metal work	305	3 891	63 745	213 656	198 656	110 782	88 415	15 000	2 847	5	4
1771	Concrete work	363	5 772	72 190	256 090	231 565	132 080	102 622	24 526	8 095	5	4
1781	Water well drilling	16	(S)	(S)	(S)	(D)	(S)	(S)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	111	2 302	48 647	108 146	102 939	80 207	26 180	5 207	3 795	4	5
1793	Glass and glazing work	99	1 325	32 349	117 876	115 192	55 474	69 636	2 684	1 272	6	4
1794	Excavating and foundation work	271	2 840	42 313	161 371	142 770	110 352	37 323	18 601	13 270	7	5
1795	Wrecking and demolition work	5	124	1 459	3 532	(D)	2 898	537	(D)	(D)	(W)	-
1796	Installing building equipment, n.e.c.	79	1 417	32 185	128 246	126 498	77 085	(D)	1 748	1 240	3	2
1799	Special trade contractors, n.e.c.	461	3 560	54 750	200 648	179 048	119 263	70 090	21 600	4 043	6	5
6552	Subdividers and developers, n.e.c.	163	2 080	33 270	134 361	75 926	60 562	24 793	58 435	4 428	3	4
	GALVESTON-TEXAS CITY SMSA											
	Construction industries and subdividers and developers	367	3 767	62 212	205 737	168 802	111 631	61 150	36 935	4 320	5	3
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	46	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	10	*59	*695	*3 011	*2 074	*1 245	*837	937	(S)	54	48
1531	Operative builders	14	128	2 375	(D)	(D)	(D)	8 889	(D)	*304	35	-
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	13	252	4 970	11 934	9 644	7 794	(D)	2 290	150	2	7
1542	Nonresidential buildings, n.e.c.	17	189	3 620	20 832	10 019	6 079	(D)	10 813	140	7	10
16	Heavy construction general contractors:											
1611	Highway and street construction	10	103	1 769	7 309	6 455	3 944	2 534	854	(D)	5	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	-	-	-	-	-	-	-	-	-	-	-
1623	Water, sewer, and utility lines	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1629	Heavy construction, n.e.c.	15	518	6 536	18 174	15 165	10 287	(D)	3 009	*977	11	9

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	GALVESTON-TEXAS CITY SMSA—Con.											
15,16,17	Construction industries—Con.											
	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	66	458	7 237	21 161	20 686	12 641	(D)	475	268	15	15
1721	Painting, paper hanging, and decorating	*14	213	4 048	10 450	(D)	7 551	2 810	(D)	552	8	-
1731	Electrical work	46	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	-	-
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	-
1742	Plastering, drywall, and insulation work	*10	138	2 638	5 482	5 392	3 255	2 137	(S)	177	10	17
1743	Terrazzo, tile, marble, and mosaic work	7	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
175	Carpentering and flooring:											
1751	Carpentering	*14	*72	*425	*1 159	*1 047	*817	*230	*112	(S)	44	52
1752	Floor laying and other floorwork	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1761	Roofing and sheet metal work	*13	175	2 900	6 167	5 993	4 022	1 971	174	55	8	13
1771	Concrete work	*13	321	4 500	(D)	(D)	7 269	4 083	(D)	315	31	-
1781	Water well drilling	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	-	-	-	-	-	-	-	-	-	-	-
1793	Glass and glazing work	4	32	437	1 097	1 093	855	(D)	4	(D)	(W)	(W)
1794	Excavating and foundation work	7	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1795	Wrecking and demolition work	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c.	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c.	34	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
6552	Subdividers and developers, n.e.c.	3	(S)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
	HOUSTON SMSA											
	Construction industries and subdividers and developers ..	7 184	145 302	3 024 479	14 087 805	9 774 217	5 954 074	4 042 661	4 313 588	176 208	1	(W)
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	866	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1522	Other residential buildings	132	1 233	23 554	197 660	54 386	(D)	44 034	143 274	1 426	5	6
1531	Operative builders	368	5 105	103 810	1 137 971	726 750	420 982	311 753	411 221	10 460	5	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	148	5 813	130 248	654 762	401 582	229 352	183 030	253 180	5 725	1	1
1542	Nonresidential buildings, n.e.c.	439	16 745	367 932	3 083 086	974 023	404 154	579 783	2 109 063	9 330	1	1
16	Heavy construction general contractors:											
1611	Highway and street construction	106	3 984	70 070	346 398	303 101	137 671	170 758	43 297	11 733	1	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	10	513	10 249	38 996	30 832	17 938	13 778	8 164	246	(W)	(W)
1623	Water, sewer, and utility lines	234	7 810	159 752	493 546	428 636	308 698	130 562	64 910	21 758	2	1
1629	Heavy construction, n.e.c.	204	25 377	683 789	3 105 054	2 474 227	1 741 651	781 630	630 827	20 130	(W)	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning	954	12 748	269 487	1 022 886	890 620	457 189	449 051	132 266	14 565	2	2
1721	Painting, paper hanging, and decorating	453	4 705	77 137	196 776	183 835	*143 878	40 697	12 941	2 962	6	4
1731	Electrical work	554	12 190	270 568	722 575	707 799	446 518	269 333	14 776	14 436	2	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework	201	3 123	40 765	105 230	101 528	65 952	36 516	3 703	2 071	5	4
1742	Plastering, drywall, and insulation work	271	9 031	187 629	530 300	475 650	301 493	194 463	54 650	5 980	2	2
1743	Terrazzo, tile, marble, and mosaic work	86	985	16 359	49 386	48 226	27 953	20 307	1 160	623	7	7
175	Carpentering and flooring:											
1751	Carpentering	429	3 150	41 139	115 927	94 122	64 028	30 341	21 805	1 180	10	6
1752	Floor laying and other floorwork	70	823	15 618	65 880	62 008	28 754	34 047	3 872	701	12	11

Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added‡	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	HOUSTON SMSA—Con.											
15,16, 17	Construction industries—Con.											
175	Special trade contractors—Con.											
1761	Carpentering and flooring—Con.											
	Roofing and sheet metal work -----	252	3 950	67 088	201 777	185 421	106 054	80 073	16 356	4 568	6	4
1771	Concrete work -----	215	3 206	44 065	180 110	167 504	97 507	75 516	12 606	6 570	6	4
1781	Water well drilling -----	38	496	9 271	38 821	36 370	17 842	18 534	2 451	1 160	6	7
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	99	2 325	54 740	160 934	154 626	107 506	48 544	6 309	2 586	3	2
1793	Glass and glazing work -----	79	1 616	37 620	145 817	144 183	72 306	82 154	1 634	1 254	4	2
1794	Excavating and foundation work -----	226	3 375	56 951	250 462	227 696	158 488	75 535	22 766	13 795	4	4
1795	Wrecking and demolition work -----	10	135	2 491	10 239	9 702	8 890	874	537	233	5	5
1796	Installing building equipment, n.e.c. -	78	2 256	54 689	188 458	186 792	129 334	58 599	1 667	1 074	3	2
1799	Special trade contractors, n.e.c. -----	514	6 121	107 885	316 205	282 125	201 633	99 687	34 081	5 778	3	3
6552	Subdividers and developers, n.e.c. ---	155	2 600	42 652	244 261	78 167	(D)	46 258	166 094	8 013	2	3
	SAN ANTONIO SMSA											
	Construction industries and subdividers and developers	2 372	38 758	651 071	2 325 793	1 851 905	1 125 332	782 250	473 889	40 282	1	1
15,16, 17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	261	1 706	18 220	108 256	69 228	38 314	33 105	39 028	1 431	8	9
1522	Other residential buildings -----	52	632	8 507	62 481	30 108	17 496	15 669	32 373	665	9	9
1531	Operative builders -----	107	989	15 110	215 513	139 461	36 240	103 714	76 052	2 046	6	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	46	897	17 832	83 572	53 221	31 299	24 308	30 351	2 176	8	8
1542	Nonresidential buildings, n.e.c. -----	143	2 517	41 064	285 906	138 708	87 508	60 412	147 198	2 961	4	3
16	Heavy construction general contractors:											
1611	Highway and street construction -----	46	1 763	24 507	143 119	114 649	65 273	50 234	28 470	3 984	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	*8	(S)	(S)	(S)	(D)	(S)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	54	1 283	16 711	56 625	50 160	29 083	21 602	6 465	3 014	7	6
1629	Heavy construction, n.e.c. -----	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	288	3 455	57 417	200 738	185 367	99 487	91 828	15 372	4 260	5	4
1721	Painting, paper hanging, and decorating -----	148	979	12 525	28 090	26 338	19 789	6 598	1 752	313	14	12
1731	Electrical work -----	158	2 447	41 574	124 077	122 189	73 400	54 820	1 889	2 182	4	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	69	856	7 469	21 990	19 646	13 091	6 596	*2 344	434	17	10
1742	Plastering, drywall, and insulation work -----	85	1 217	19 761	68 023	61 808	36 932	(D)	*6 215	1 669	8	9
1743	Terrazzo, tile, marble, and mosaic work -----	50	254	3 046	11 234	11 153	6 874	4 318	81	*124	18	18
175	Carpentering and flooring:											
1751	Carpentering -----	222	1 294	11 195	32 367	24 053	16 782	7 432	8 315	369	17	13
1752	Floor laying and other floorwork -----	36	284	3 870	15 686	15 016	6 568	(D)	670	149	19	9
1761	Roofing and sheet metal work -----	100	1 202	17 462	57 310	53 562	30 524	23 273	3 748	554	7	6
1771	Concrete work -----	112	1 907	24 156	84 444	76 472	45 757	32 318	7 972	1 677	5	7
1781	Water well drilling -----	*7	*35	*478	*3 029	*2 525	*1 389	*1 244	*504	-	64	56
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	34	568	6 222	18 820	18 149	14 228	(D)	671	*226	25	16
1793	Glass and glazing work -----	8	232	6 390	9 434	9 434	5 303	(D)	-	123	19	15
1794	Excavating and foundation work -----	91	823	10 140	45 199	39 860	22 655	18 528	5 339	2 800	12	11
1795	Wrecking and demolition work -----	5	(D)	(D)	(S)	(S)	(D)	(D)	(S)	(D)	-	-
1796	Installing building equipment, n.e.c. -	12	206	5 348	22 719	(D)	12 886	8 450	(D)	(D)	10	-
1799	Special trade contractors, n.e.c. -----	160	1 223	15 580	51 070	46 551	27 678	21 407	4 519	1 509	14	10
6552	Subdividers and developers, n.e.c. ---	48	210	2 773	8 895	5 850	4 830	1 965	3 045	234	26	17

APPENDIX A.

Explanation of Terms

Construction—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Number of establishments in business at end of year—Includes all full-year or part-year establishments that were in business at the end of 1982.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners. The partnership factor was based on information received during a large-scale test conducted in prior years.

All employees—Comprised all full-time and part-time employees on the payrolls of construction establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid-sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

Construction workers—Includes all workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working supervisor level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working supervisor level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

Payroll—Includes the gross earnings paid in the calendar year 1982 to all employees on the payroll of construction establishments. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick-leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

Employer costs for fringe benefits—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

All business receipts—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

Total construction receipts—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts.")

Receipts for work subcontracted in from others—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

Other business receipts—Includes business receipts not reported as construction receipts or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Net construction receipts—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

Selected payments—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

- payments made for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the parent company.
- payments made for natural and manufactured gas, fuel oil, coal and coke products, etc.

Dollar amounts include freight and other direct charges.

Storage capacity for fuels—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

Rental payments for machinery, equipment, and structures—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

Selected purchased services—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

Fixed assets and depreciation—Refers to the value of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

Capital expenditures—Refers to all costs actually incurred during 1982 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

Value of inventories—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Establishments building structures on their own land for sale (operative builders) were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

Ownership of construction projects—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.

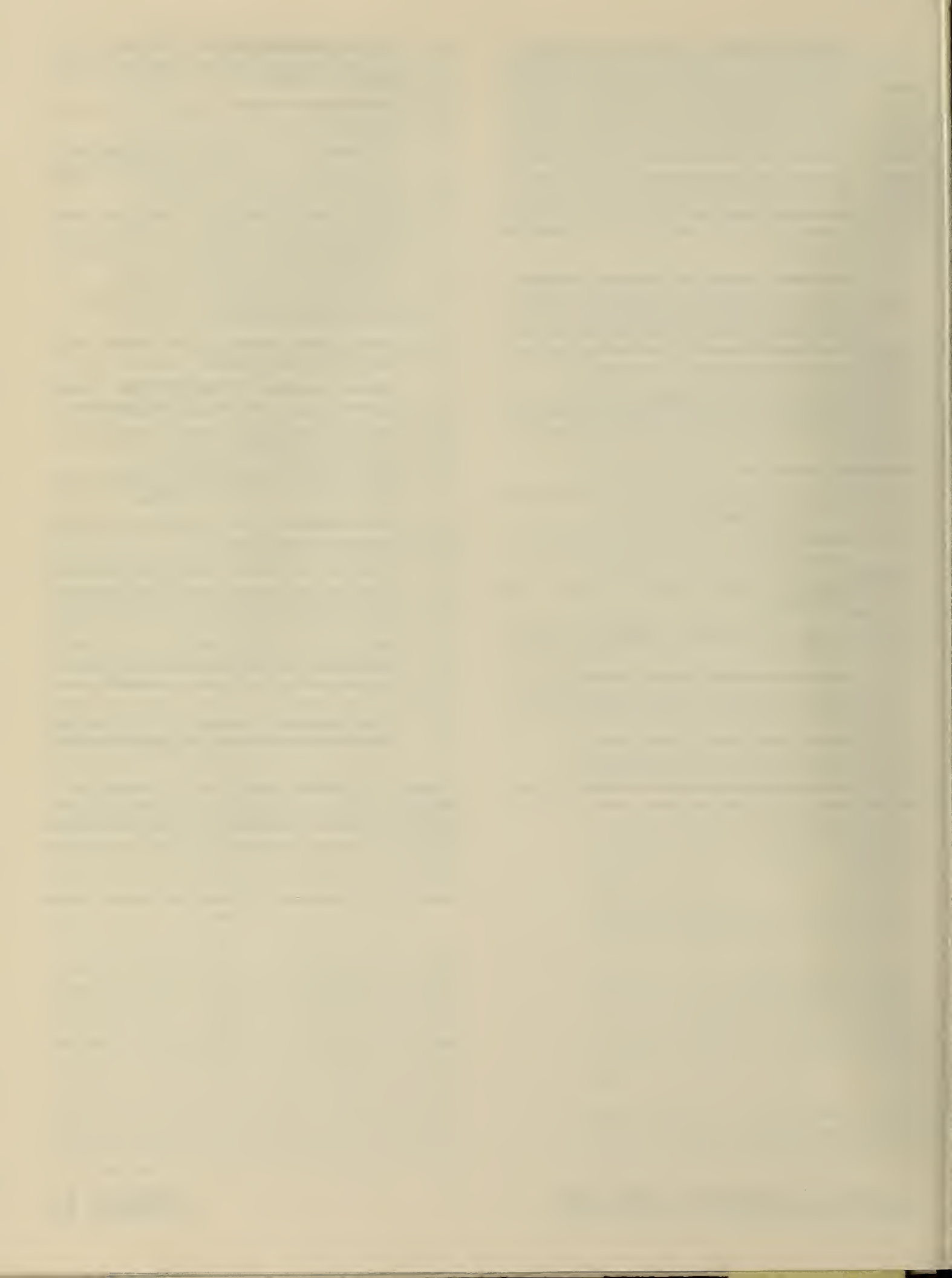
- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.

- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

Location of construction work—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.



APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family Houses	174	Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentering and Flooring Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentering Special Trade Contractors
16	CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS	1752	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
161	Highway and Street Construction, Except Elevated Highways	176	Roofing and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors	1761	Roofing and Sheet Metal Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	177	Concrete Work Special Trade Contractors
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	1771	Concrete Work Special Trade Contractors
1623	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	178	Water Well Drilling Special Trade Contractors
1629	Heavy Construction Contractors, N.E.C.	1781	Water Well Drilling Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	179	Miscellaneous Special Trade Contractors
171	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1791	Structural Steel Erection Special Trade Contractors
1711	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
172	Painting, Paper Hanging, and Decorating Special Trade Contractors	1794	Excavating and Foundation Work Special Trade Contractors
1721	Painting, Paper Hanging, and Decorating Special Trade Contractors	1795	Wrecking and Demolition Work Special Trade Contractors
		1796	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		1799	Special Trade Contractors, N.E.C.
		6552	SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES

APPENDIX C.

Geographic Divisions and States

NEW ENGLAND STATES

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

MIDDLE ATLANTIC STATES

New Jersey
New York
Pennsylvania

EAST NORTH CENTRAL STATES

Illinois
Indiana
Michigan
Ohio
Wisconsin

WEST NORTH CENTRAL STATES

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

SOUTH ATLANTIC STATES

Delaware
District of Columbia
Florida
Georgia
Maryland

SOUTH ATLANTIC STATES—Con.

North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH CENTRAL STATES

Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL STATES

Arkansas
Louisiana
Oklahoma
Texas

MOUNTAIN STATES

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC STATES

Alaska
California
Hawaii
Oregon
Washington

APPENDIX D.

Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
Boston-Lawrence-Lowell, Mass.-N.H. Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA Chicago-Gary-Kenosha, Ill.-Ind.-Wis.¹ Chicago, Ill., SMSA Gary-Hammond-East Chicago, Ind., SMSA Kenosha, Wis., SMSA ¹ Cincinnati-Hamilton, Ohio-Ky.-Ind. Cincinnati, Ohio-Ky.-Ind., SMSA Hamilton-Middletown, Ohio, SMSA Cleveland-Akron-Lorain, Ohio Akron, Ohio, SMSA Cleveland, Ohio, SMSA Lorain-Elyria, Ohio, SMSA Dayton-Springfield, Ohio² Dayton, Ohio, SMSA Springfield, Ohio, SMSA Detroit-Ann Arbor, Mich. Ann Arbor, Mich., SMSA Detroit, Mich., SMSA	Houston-Galveston, Tex. Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA Indianapolis-Anderson, Ind.² Anderson, Ind., SMSA Indianapolis, Ind., SMSA Los Angeles-Long Beach-Anaheim, Calif. Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA Miami-Fort Lauderdale, Fla. Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA Milwaukee-Racine, Wis. Milwaukee, Wis., SMSA Racine, Wis., SMSA New York-Newark-Jersey City, N.Y.-N.J.-Conn. Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn.— Con. New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA Providence-Fall River, R.I.-Mass.² Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA San Francisco-Oakland-San Jose, Calif. San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA ³ Vallejo-Fairfield-Napa, Calif., SMSA Seattle-Tacoma, Wash. Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA

¹1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

²New SCSA since 1977 Economic Censuses.

³Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
Ablene, Tex. Callahan County, Tex. Jones County, Tex. Taylor County, Tex. Akron, Ohio Portage County, Ohio Summit County, Ohio Albany, Ga. Dougherty County, Ga. Lee County, Ga. Albany-Schenectady-Troy, N.Y. Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y. Albuquerque, N. Mex. Bernalillo County, N. Mex. Sandoval County, N. Mex. Alexandria, La. Grant Parish, La. Rapides Parish, La. Allentown-Bethlehem-Easton, Pa.-N.J. Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	Altoona, Pa. Blair County, Pa. Amarillo, Tex. Potter County, Tex. Randall County, Tex. Anaheim-Santa Ana-Garden Grove, Calif. Orange County, Calif. Anchorage, Alaska Anchorage Borough, Alaska Anderson, Ind. Madison County, Ind. Anderson, S.C.¹ Anderson County, S.C. Ann Arbor, Mich. Washtenaw County, Mich. Anniston, Ala. Calhoun County, Ala. Appleton-Oshkosh, Wis. Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis. Asheville, N.C. Buncombe County, N.C. Madison County, N.C.	Athens, Ga.¹ Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga. Atlanta, Ga. Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga. Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga. Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga. Atlantic City, N.J. Atlantic County, N.J. Augusta, Ga.-S.C. Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Austin, Tex. Hays County, Tex. Travis County, Tex. Williamson County, Tex.	Boston, Mass. Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass. Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass. Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass. Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass. Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass. Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass. Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass. North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass. Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass. Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass. Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass. Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass. Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass. Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	Boston, Mass.—Con. Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass. Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass. Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass. Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass. Bradenton, Fla. Manatee County, Fla.
Bakersfield, Calif. Kern County, Calif.		Bridgeport, Conn. Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn. New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn. ³ Woodmont borough, Conn. ³
Baltimore, Md. Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md. ²		Bristol, Conn. Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn. Litchfield County, Conn. (part) Plymouth town, Conn.
Bangor, Maine¹ Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Veazie town, Maine Waldo County, Maine (part) Winterport town, Maine		Brockton, Mass. Bristol County, Mass. (part) Easton town, Mass. Norfolk County, Mass. (part) Avon town, Mass. Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.
Baton Rouge, La. Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.		Brownsville-Harlingen-San Benito, Tex. Cameron County, Tex.
Battle Creek, Mich. Barry County, Mich. Calhoun County, Mich.		Bryan-College Station, Tex. Brazos County, Tex.
Bay City, Mich. Bay County, Mich.		Buffalo, N.Y. Erie County, N.Y. Niagara County, N.Y.
Beaumont-Port Arthur-Orange, Tex. Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.		Burlington, N.C. Alamance County, N.C.
Bellingham, Wash.¹ Whatcom County, Wash.		Burlington, Vt.¹ Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.
Benton Harbor, Mich.¹ Berrien County, Mich.		
Billings, Mont. Yellowstone County, Mont.		
Bloomington, Ind. Monroe County, Ind.		
Bloomington-Normal, Ill. McLean County, Ill.		
Boise City, Idaho Ada County, Idaho		

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Burlington, Vt.¹—Con. Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt. Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt. Franklin County, Vt. (part) Georgia town, Vt. Grand Isle County, Vt. (part) South Hero town, Vt.	Columbia, Mo. Boone County, Mo. Columbia, S.C. Lexington County, S.C. Richland County, S.C. Columbus, Ga.-Ala. Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga. ⁴ Columbus, Ohio Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio Corpus Christi, Tex. Nueces County, Tex. San Patricio County, Tex. Cumberland, Md.-W. Va.¹ Allegany County, Md. Mineral County, W. Va. Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex. Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex. Danbury, Conn. Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn. Litchfield County, Conn. (part) New Milford town, Conn. Danville, Va.¹ Pittsylvania County, Va. Danville city, Va. ² Davenport-Rock Island-Moline, Iowa-Ill. Henry County, Ill. Rock Island County, Ill. Scott County, Iowa Dayton, Ohio Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio Daytona Beach, Fla. Volusia County, Fla. Decatur, Ill. Macon County, Ill. Denver-Boulder, Colo. Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo. Des Moines, Iowa Polk County, Iowa Warren County, Iowa Detroit, Mich. Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich. Dubuque, Iowa Dubuque County, Iowa	Duluth-Superior, Minn.-Wis. St. Louis County, Minn. Douglas County, Wis. Eau Claire, Wis. Chippewa County, Wis. Eau Claire County, Wis. El Paso, Tex. El Paso County, Tex. Elkhart, Ind.¹ Elkhart County, Ind. Elmira, N.Y. Chemung County, N.Y. Enid, Okla.¹ Garfield County, Okla. Erle, Pa. Erie County, Pa. Eugene-Springfield, Oreg. Lane County, Oreg. Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky. Fall River, Mass.-R.I. Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass. Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I. Fargo-Moorhead, N. Dak.-Minn. Clay County, Minn. Cass County, N. Dak. Fayetteville, N.C. Cumberland County, N.C. Fayetteville-Springdale, Ark. Benton County, Ark. Washington County, Ark. Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass. Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass. Flint, Mich. Genesee County, Mich. Shiawassee County, Mich. Florence, Ala. Colbert County, Ala. Lauderdale County, Ala. Florence, S.C.¹ Florence County, S.C. Fort Collins, Colo. Larimer County, Colo. Fort Lauderdale-Hollywood, Fla. Broward County, Fla. Fort Myers-Cape Coral, Fla.³ Lee County, Fla. Fort Smith, Ark.-Okla. Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla. Fort Walton Beach, Fla.¹ Okaloosa County, Fla.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Fort Wayne, Ind. Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	Hartford, Conn.—Con. Hartford County, Conn. (part)—Con. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn. Litchfield County, Conn. (part) New Hartford town, Conn. Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn. New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn. Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn. Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	Jersey City, N.J. Hudson County, N.J.
Fresno, Calif. Fresno County, Calif.	Johnson City-Kingsport-Bristol, Tenn.-Va. Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn. Scott County, Va. Washington County, Va. Bristol city, Va. ²	Johnstown, Pa. Cambria County, Pa. Somerset County, Pa.
Gadsden, Ala. Etowah County, Ala.	Joplin, Mo.¹ Jasper County, Mo. Newton County, Mo.	Kalamazoo-Portage, Mich. Kalamazoo County, Mich. Van Buren County, Mich.
Gainesville, Fla. Alachua County, Fla.	Kankakee, Ill. Kankakee County, Ill.	Kansas City, Mo.-Kans. Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
Galveston-Texas City, Tex. Galveston County, Tex.	Hickory, N.C.¹ Alexander County, N.C. Catawba County, N.C.	Kenosha, Wis. Kenosha County, Wis.
Gary-Hammond-East Chicago, Ind. Lake County, Ind. Porter County, Ind.	Honolulu, Hawaii Honolulu County, Hawaii	Killeen-Temple, Tex. Bell County, Tex. Coryell County, Tex.
Glens Falls, N.Y.¹ Warren County, N.Y. Washington County, N.Y.	Houston, Tex. Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	Knoxville, Tenn. Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
Grand Forks, N. Dak.-Minn. Polk County, Minn. Grand Forks County, N. Dak.	Huntington-Ashland, W. Va.-Ky.-Ohio Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	Kokomo, Ind. Howard County, Ind. Tipton County, Ind.
Grand Rapids, Mich. Kent County, Mich. Ottawa County, Mich.	Huntsville, Ala. Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	La Crosse, Wis. La Crosse County, Wis.
Great Falls, Mont. Cascade County, Mont.	Indianapolis, Ind. Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind. Marion County, Ind. Morgan County, Ind. Shelby County, Ind.	Lafayette, La. Lafayette Parish, La.
Greeley, Colo. Weld County, Colo.	Iowa City, Iowa¹ Johnson County, Iowa	Lafayette-West Lafayette, Ind. Tippecanoe County, Ind.
Green Bay, Wis. Brown County, Wis.	Jackson, Mich. Jackson County, Mich.	Lake Charles, La. Calcasieu Parish, La.
Greensboro-Winston-Salem-High Point, N.C. Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	Jackson, Miss. Hinds County, Miss. Rankin County, Miss.	Lakeland-Winter Haven, Fla. Polk County, Fla.
Greenville-Spartanburg, S.C. Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.	Jacksonville, Fla. Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	Lancaster, Pa. Lancaster County, Pa.
Hagerstown, Md.¹ Washington County, Md.	Jacksonville, N.C.¹ Onslow County, N.C.	Lansing-East Lansing, Mich. Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.
Hamilton-Middletown, Ohio Butler County, Ohio	Janesville-Beloit, Wis.¹ Rock County, Wis.	Laredo, Tex. Webb County, Tex.
Harrisburg, Pa. Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.		Las Cruces, N. Mex.¹ Dona Ana County, N. Mex.
Hartford, Conn. Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn. East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn. Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.		Las Vegas, Nev. Clark County, Nev.

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Lawrence-Haverhill, Mass.-N.H. Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass. Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass. Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.	Macon, Ga. Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga. Madison, Wis. Dane County, Wis. Manchester, N.H. Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H. Merrimack County, N.H. (part) Allenstown town, N.H. Hooksett town, N.H. Pembroke town, N.H. Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.	Nashua, N.H. Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.
Lawton, Okla. Comanche County, Okla.	Mansfield, Ohio Richland County, Ohio	Nashville-Davidson, Tenn. Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn. Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.
Lewiston-Auburn, Maine Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine	McAllen-Pharr-Edinburg, Tex. Hidalgo County, Tex.	Nassau-Suffolk, N.Y. Nassau County, N.Y. Suffolk County, N.Y.
Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.	Medford, Oreg.¹ Jackson County, Oreg.	New Bedford, Mass. Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.
Lima, Ohio Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio	Melbourne-Titusville-Cocoa, Fla. Brevard County, Fla.	Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.
Lincoln, Nebr. Lancaster County, Nebr.	Memphis, Tenn.-Ark.-Miss. Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.	New Britain, Conn. Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.
Little Rock-North Little Rock, Ark. Pulaski County, Ark. Saline County, Ark.	Meriden, Conn. New Haven County, Conn. (part) Meriden city, Conn.	New Brunswick-Perth Amboy-Sayreville, N.J. Middlesex County, N.J.
Long Branch-Asbury Park, N.J. Monmouth County, N.J.	Miami, Fla. Dade County, Fla.	New Haven-West Haven, Conn. Middlesex County, Conn. (part) Clinton town, Conn.
Longview-Marshall, Tex.⁴ Gregg County, Tex. Harrison County, Tex.	Midland, Tex. Midland County, Tex.	New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.
Lorain-Elyria, Ohio Lorain County, Ohio	Midwaukee, Wis. Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.	Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.
Los Angeles-Long Beach, Calif. Los Angeles County, Calif.	Minneapolis-St. Paul, Minn.-Wis. Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn. Ramsay County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.	Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.
Louisville, Ky.-Ind. Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.	Mobile, Ala. Baldwin County, Ala. Mobile County, Ala.	New London-Norwich, Conn.-R.I. Middlesex County, Conn. (part) Fenwick borough, Conn. ⁷ Old Saybrook town, Conn.
Lowell, Mass.-N.H. Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass. Hillsborough County, N.H. (part) Pelham town, N.H.	Modesto, Calif. Stanislaus County, Calif.	New London County, Conn. (part) Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.
Lubbock, Tex. Lubbock County, Tex.	Monroe, La. Ouachita Parish, La.	Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.
Lynchburg, Va. Amherst County, Va. Appomattox County, Va. Campbell County, Va. Lynchburg city, Va. ²	Montgomery, Ala. Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.	
	Muncie, Ind. Delaware County, Ind.	
	Muskegon-Norton Shores-Muskegon Heights, Mich. Muskegon County, Mich. Oceana County, Mich.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>New London-Norwich, Conn.-R.I.—Con. New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, Conn. Waterford town, Conn.</p> <p>Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.</p>	<p>Orlando, Fla. Orange County, Fla. Osceola County, Fla. Seminole County, Fla.</p> <p>Owensboro, Ky. Davies County, Ky.</p> <p>Oxnard-Simi Valley-Ventura, Calif. Ventura County, Calif.</p>	<p>Portland, Maine—Con. Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine</p> <p>York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine</p>
<p>New Orleans, La. Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.</p>	<p>Panama City, Fla. Bay County, Fla.</p>	<p>Portland, Oreg.-Wash. Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.</p>
<p>New York, N.Y.-N.J. Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y.</p> <p>Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.</p>	<p>Parkersburg-Marietta, W. Va.-Ohio Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.</p>	<p>Portsmouth-Dover-Rochester, N.H.-Maine¹ York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine</p>
<p>Newark, N.J. Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J.</p>	<p>Pascagoula-Moss Point, Miss. Jackson County, Miss.</p>	<p>Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H.</p>
<p>Newark, Ohio¹ Licking County, Ohio</p>	<p>Paterson-Clifton-Passaic, N.J. Passaic County, N.J.</p>	<p>Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.</p>
<p>Newburgh-Middletown, N.Y.¹ Orange County, N.Y.</p>	<p>Pensacola, Fla. Escambia County, Fla. Santa Rosa County, Fla.</p>	<p>Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H.</p>
<p>Newport News-Hampton, Va. Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va.² Newport News city, Va.² Poquoson city, Va.² Williamsburg city, Va.²</p>	<p>Peoria, Ill. Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.</p>	<p>Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.</p>
<p>Norfolk-Virginia Beach-Portsmouth, Va.-N.C. Currituck County, N.C. Chesapeake city, Va.² Norfolk city, Va.² Portsmouth city, Va.² Suffolk city, Va.² Virginia Beach city, Va.²</p>	<p>Petersburg-Colonial Heights-Hopewell, Va. Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va.² Hopewell city, Va.² Petersburg city, Va.²</p>	<p>Poughkeepsie, N.Y. Dutchess County, N.Y.</p>
<p>Northeast Pennsylvania Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.</p>	<p>Philadelphia, Pa.-N.J. Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa.</p>	<p>Providence-Warwick-Pawtucket, R.I.-Mass. Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.</p>
<p>Norwalk, Conn. Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.</p>	<p>Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.</p>	<p>Norfolk County, Mass. (part) Plainville town, Mass.</p>
<p>Ocala, Fla.¹ Marion County, Fla.</p>	<p>Phoenix, Ariz. Maricopa County, Ariz.</p>	<p>Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.</p>
<p>Odessa, Tex. Ector County, Tex.</p>	<p>Pine Bluff, Ark. Jefferson County, Ark.</p>	<p>Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.</p>
<p>Oklahoma City, Okla. Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.</p>	<p>Pittsburgh, Pa. Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.</p>	<p>Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.</p>
<p>Olympia, Wash.¹ Thurston County, Wash.</p>	<p>Pittsfield, Mass. Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass.</p>	<p>Newport County, R.I. (part) Jamestown town, R.I.</p>
<p>Omaha, Nebr.-Iowa Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.</p>	<p>Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.</p>	<p>Providence County, R.I. (part) Burrillville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I.</p>
	<p>Portland, Maine Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine</p>	<p>Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.</p>

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Providence-Warwick-Pawtucket, R.I.-Mass.—Con. Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I. Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	St. Louis, Mo.-Ill. Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo. Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. ²	Springfield, Ill. Menard County, Ill. Sangamon County, Ill. Springfield, Mo. Christian County, Mo. Greene County, Mo. Springfield, Ohio Champaign County, Ohio Clark County, Ohio
Provo-Orem, Utah Utah County, Utah	Salem, Oreg. Marion County, Oreg. Polk County, Oreg.	Springfield-Chicopee-Holyoke, Mass.-Conn. Tolland County, Conn. (part) Somers town, Conn.
Pueblo, Colo. Pueblo County, Colo.	Salinas-Seaside-Monterey, Calif. Monterey County, Calif.	Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass.
Racine, Wis. Racine County, Wis.	Salisbury-Concord, N.C.¹ Cabarrus County, N.C. Rowan County, N.C.	Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.
Raleigh-Durham, N.C. Durham County, N.C. Orange County, N.C. Wake County, N.C.	Salt Lake City-Ogden, Utah Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah	Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.
Reading, Pa. Berks County, Pa.	San Angelo, Tex. Tom Green County, Tex.	Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass.
Redding, Calif.¹ Shasta County, Calif.	San Antonio, Tex. Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.	Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.
Reno, Nev. Washoe County, Nev.	San Diego, Calif. San Diego County, Calif.	Worcester County, Mass. (part) Warren town, Mass.
Richland-Kennewick-Pasco, Wash.⁸ Benton County, Wash. Franklin County, Wash.	San Francisco-Oakland, Calif. Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.	Stamford, Conn. Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.
Richmond, Va. Charles City County, Va. Chesterfield County, Va. Goochland County, Va. Hanover County, Va. Henrico County, Va. New Kent County, Va. Powhatan County, Va. Richmond city, Va. ²	San Jose, Calif. Santa Clara County, Calif.	State College, Pa.¹ Centre County, Pa.
Riverside-San Bernardino-Ontario, Calif. Riverside County, Calif. San Bernardino County, Calif.	Santa Barbara-Santa Maria-Lompoc, Calif. Santa Barbara County, Calif.	Steubenville-Weirton, Ohio-W. Va. Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.
Roanoke, Va. Botetourt County, Va. Craig County, Va. Roanoke County, Va. Roanoke city, Va. ² Salem city, Va. ²	Santa Cruz, Calif. Santa Cruz County, Calif.	Stockton, Calif. San Joaquin County, Calif.
Rochester, Minn. Olmsted County, Minn.	Santa Rosa, Calif. Sonoma County, Calif.	Syracuse, N.Y. Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.
Rochester, N.Y. Livingston County, N.Y. Monroe County, N.Y. Ontario County, N.Y. Orleans County, N.Y. Wayne County, N.Y.	Sarasota, Fla. Sarasota County, Fla.	Tacoma, Wash. Pierce County, Wash.
Rockford, Ill. Boone County, Ill. Winnebago County, Ill.	Savannah, Ga. Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.	Tallahassee, Fla. Leon County, Fla. Wakulla County, Fla.
Rock Hill, S.C.¹ York County, S.C.	Seattle-Everett, Wash. King County, Wash. Snohomish County, Wash.	Tampa-St. Petersburg, Fla. Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.
Sacramento, Calif. Placer County, Calif. Sacramento County, Calif. Yolo County, Calif.	Sharon, Pa.¹ Mercer County, Pa.	Terre Haute, Ind. Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.
Saginaw, Mich. Saginaw County, Mich.	Sheboygan, Wis.¹ Sheboygan County, Wis.	Texarkana, Tex.-Texarkana, Ark. Little River County, Ark. Miller County, Ark. Bowie County, Tex.
St. Cloud, Minn. Benton County, Minn. Sherburne County, Minn. Stearns County, Minn.	Sherman-Denison, Tex. Grayson County, Tex.	
St. Joseph, Mo. Andrew County, Mo. Buchanan County, Mo.	Shreveport, La. Bossier Parish, La. Caddo Parish, La. Webster Parish, La.	
	Sioux City, Iowa-Nebr. Woodbury County, Iowa Dakota County, Nebr.	
	Sioux Falls, S. Dak. Minnehaha County, S. Dak.	
	South Bend, Ind. Marshall County, Ind. St. Joseph County, Ind.	
	Spokane, Wash. Spokane County, Wash.	

See footnotes at end of appendix.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Toledo, Ohio-Mich. Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	Washington, D.C.-Md.-Va. Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va. Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. ² Fairfax city, Va. ² Falls Church city, Va. ² Manassas city, Va. ² Manassas Park city, Va. ²	Wichita Falls, Tex. Clay County, Tex. Wichita County, Tex. Williamsport, Pa. Lycoming County, Pa. Wilmington, Del.-N.J.-Md. New Castle County, Del. Cecil County, Md. Salem County, N.J. Wilmington, N.C. Brunswick County, N.C. New Hanover County, N.C.
Topeka, Kans. Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	Waterbury, Conn. Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn. New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn. Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	Worcester, Mass. Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass. East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass. North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass. Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass. Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
Trenton, N.J. Mercer County, N.J.	Waterloo-Cedar Falls, Iowa Black Hawk County, Iowa	Yakima, Wash. Yakima County, Wash.
Tucson, Ariz. Pima County, Ariz.	Wausau, Wis.¹ Marathon County, Wis.	York, Pa. Adams County, Pa. York County, Pa.
Tulsa, Okla. Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	West Palm Beach-Boca Raton, Fla. Palm Beach County, Fla.	Youngstown-Warren, Ohio Mahoning County, Ohio Trumbull County, Ohio
Tuscaloosa, Ala. Tuscaloosa County, Ala.	Wheeling, W. Va.-Ohio Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	Yuba City, Calif.¹ Sutter County, Calif. Yuba County, Calif.
Tyler, Tex. Smith County, Tex.	Wichita, Kans. Butler County, Kans. Sedgwick County, Kans.	
Utica-Rome, N.Y. Herkimer County, N.Y. Oneida County, N.Y.		
Vallejo-Fairfield-Napa, Calif. Napa County, Calif. Solano County, Calif.		
Victoria, Tex.¹ Victoria County, Tex.		
Vineyard-Millville-Bridgeton, N.J. Cumberland County, N.J.		
Visalia-Tulare-Porterville, Calif.¹ Tulare County, Calif.		
Waco, Tex. McLennan County, Tex.		

¹New SMSA since 1977 Economic Censuses.

²Independent of any county and considered a county equivalent.

³Milford town balance and Woodmont borough added since 1977 Economic Censuses.

⁴Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

⁵1977 title was Fort Myers, Fla.

⁶1977 title was Longview, Tex.

⁷Fenwick borough added since 1977 Economic Censuses.

⁸1977 title was Richland-Kennewick, Wash.

REFERENCE MATERIALS • ORDER FORMS • PUBLICATION CORRECTIONS

Please send me the items marked (X) below.

- ☐ Corrections (if there are any) for this publication—**Construction Industries, West South Central States, CC82-A-7**

If you purchase several different reports from the 1982 Economic Censuses, you should complete this form from each of the reports and return it to the address shown below to receive publication corrections. However, you should complete the following on **only** one of the forms.

- ☐ Guide to the 1982 Economic Censuses and Related Statistics
- ☐ Monthly Product Announcement—A monthly notice of all products released by the Census Bureau during the previous month—useful primarily to persons who plan to purchase publications, tapes, etc., in the future.

Publication announcements and order forms — Mark (X) subjects in which you are interested.

- | | | |
|--|--|---|
| <input type="checkbox"/> Retail Trade | <input type="checkbox"/> Economic Censuses of Outlying Areas (Puerto Rico, Guam, Virgin Islands, and Northern Mariana Islands) | <input type="checkbox"/> Governments |
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| <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Agriculture | <input type="checkbox"/> International Statistics |
| <input type="checkbox"/> Mineral Industries | <input type="checkbox"/> County Business Patterns | <input type="checkbox"/> Geography |
| <input type="checkbox"/> Transportation | <input type="checkbox"/> Quarterly Financial Report | <input type="checkbox"/> Guides, Catalogs, etc. |

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Address/PO Box

City

State

ZIP Code

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Washington, D.C. 20233**



PUBLICATION PROGRAM

1982 CENSUS OF CONSTRUCTION INDUSTRIES

Publications of the 1982 Census of Construction Industries, containing data on construction establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

Final Reports

Final detailed statistics are issued in separate paperbound reports.

Industry series—28 reports (CC82-I-1 to -28)

Industry series—27 reports (CC82-I-1 to -27). These reports present data for establishments with payroll and are published for each of the 27 industries included in the census. Each industry report presents 1982 data by State and for the United States on number of construction establishments; receipts; employment; hours worked; payrolls; payments to subcontractors; payments for materials, components, and supplies; payments for power and fuels; payments for selected purchased services; payments for the rental of machinery, equipment, and structures; value added; capital expenditures during the year; and depreciable assets. Limited data for 1977, 1972, and 1967 are also shown. In addition, more detailed data are shown at the U.S. level on construction receipts by type of structure (single-family houses, streets, roads, etc.). Selected data also are provided for establishments classified by their employment size and receipts size.

U.S. Summary—1 report (CC82-I-28). This report summarizes the data for establishments with payroll presented in the 27 individual industry reports and presents limited data for establishments with no payroll.

Geographic area series—10 reports (CC82-A-1 to -10)

Division reports (CC82-A-1 to -9). These reports are published for States grouped according to the nine census geographic divisions. Much of the geographic area series data are the same as presented in the

industry series, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report presents limited data (number of establishments, number of proprietors and working partners, total employment, and total receipts) for construction establishments without payroll, for construction establishments with payroll, and for the aggregate, classified by industry and by legal form of organization. It also contains selected statistics (number of establishments, employment, payrolls, receipts, payments to subcontractors, net construction receipts, and value added) for construction establishments with payroll, classified by industry and by type of operation (multiunit or single-unit) and by legal form of organization.

Final Report Volume

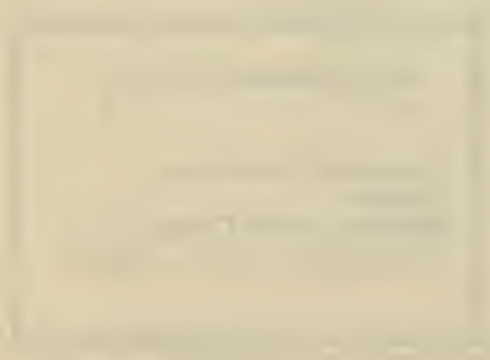
Final paperbound reports subsequently are assembled and reissued in one clothbound volume.

Microfiche

All published data also are available on microfiche.

OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, service industries, manufactures, enterprise statistics, minority-owned businesses, women-owned businesses, and transportation also are issued as part of the 1982 Economic Censuses. A separate series of reports covers the censuses of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Northern Mariana Islands. All published reports and microfiche are sold by the Superintendent of Documents, U.S. Government Printing Office. Appropriate announcements and order forms describing these products are available free of charge from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.



Census HD 9715 .U52
U52x 1984 [v.1] no.7 c.2
Census of construction
industries (1982)
1982 census of construction
industries.





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